Partial Remediation Summary & Deferral Request

Permian Resources
Airstream 603-605
Lea County, New Mexico
Unit Letter , Section , Township South, Range East

NMOCD Reference No. nAPP2320839776
Latitude 32.38642 North, Longitude 103.42057 West

NMOCD Reference No. nAPP2329127081
Latitude 32.38640 North, Longitude 103.42045 West

Prepared By:

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Permian Resources (Permian), has prepared this *Partial Remediation Summary and Deferral Request* for the release sites known as the Airstream 603-605 (henceforth referred to collectively as, "Site"). The legal description of the Site is Unit Letter "O", Section 13, Township 22 South, Range 34 East, in Lea County, New Mexico. The property affected by the release is owned by the State of New Mexico and is administered by the New Mexico State Land Office (NMSLO). A "Site Location Map" is provided as Figure 1.

On July 17, 2023, Permian discovered a release at the Airstream Central Tank Battery. The initial Release Notification and Corrective Action (NMOCD Form C-141) indicated that corrosion resulted in the release of approximately seventy-eight (78) barrels (bbls) of crude oil. During initial response activities, the release site was secured, and a vacuum truck was utilized to recover approximately seventy (70) bbls of free-standing liquids.

On October 16, 2023, while remediating the first release, a second release occurred at the tank battery. The initial NMOCD Form C-141 indicated that the failure of a sight glass on a separator resulted in the release of approximately twenty-one (21) bbls of crude oil and five (5) bbls of produced water. During initial response activities, the release site was secured, and a vacuum truck was utilized to recover approximately eighteen (18) bbls of crude oil and four (4) bbls of produced water. The releases affected similar areas and will be remediated concurrently.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. In addition, on July 12, 2024, a temporary depth to groundwater determination bore was installed at the Site. The temporary depth to groundwater determination bore (CP-02005) was drilled to a total depth of sixty-five (65) ft. below ground surface (bgs) and left open for a minimum seventy-two (72) hours. On July 16, 2024, the temporary depth to groundwater determination bore was gauged and the static water level was determined to be sixty (60) ft. bgs. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	60 Feet
Did the release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☐ Yes ☒ No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 5 and 6.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
60 Feet	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	-	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)
† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).
‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1)

4.0 BACKGROUND

Upon discovering the release remediation activities commenced at the Site. Impacted material in the lined process area was removed to the maximum extent practicable given the congested nature of the facility and proximity to active process equipment. The floor of the excavation was advanced to the underlying polyurethane liner, or a depth of approximately one (1) to one and one-half (1.5) ft. bgs. The sidewalls of the excavated area were advanced to the maximum extent practicable while ensuring the continued stability of the facility's above-ground process equipment. During the course of excavation activities, great care was taken to maintain the integrity of the underlying polyurethane liner although it was already compromised in the southwestern portion of the Site where impacts were excavated to an approximate depth of five (5) ft. bgs. Impacted material was temporarily stockpiled on-site, atop an impermeable liner pending transportation to an NMOCD-approved surface waste facility.

On October 16, 2023, a second release occurred at the facility. The release affected portions of the existing excavation along with an area on the north side of the facility.

On January 9, 2024, Etech assumed remediation responsibilities at the Site. Heavily impacted material on the north side of the tank battery facility was scraped and temporarily stockpiled on-site, atop an impermeable liner pending transportation to an NMOCD-approved surface waste facility. Affected portions of the polyurethane liner were cleaned to the extent practicable and impacted material beneath and adjacent to the on-site process equipment was excavated by hand in an effort to remove additional contamination while preserving the continued stability of the facility's above-ground process equipment.

September 16, 2024, Permian submitted a *Site Assessment Report, Proposed Remediation Workplan & Partial Deferral Request* detailing field activities conducted to date and laboratory analytical results from delineation and deferral characterization soil samples. The *Workplan* proposed excavating impacted material affected above the NMOCD Closure Criteria to the maximum extent practicable given the proximity to active tank battery equipment including, but not limited to, the heater treater, horizontal separators, tank battery containment and associated above ground equipment. Impacted material remaining in-situ adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment will be remediated upon abandoning and decommissioning that facility or during a major facility deconstruction. Etech maintains excavating impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment poses a safety risk and will results in a major facility deconstruction. The *Workplan* was subsequently approved.

5.0 SUMMARY OF FIELD ACTIVITIES

On January 22, 2024, Etech conducted an assessment at the Site. During the assessment, twelve (12) soil samples (SP 1 @ 1', SP 2 @ 6', SP 3 @ 1', SP 4 @ 1', EH-1 @ 1', EH-2 @ 1', NH-1 @ 1', NH-2 @ 1', SH-1 @ 1', SH-2 @ 1', WH-1 @ 1' and WH-2 @ 1') were collected in an effort to further investigate the vertical and horizontal extent of soil impacts at the Site. The collected soil samples were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil sample SP 2 @ 6', which exhibited a concentration of 134 mg/kg. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples SP 1 @ 1', SP 2 @ 6', SP 3 @ 1' and SP 4 @ 1' which exhibited concentrations of 18,300 mg/kg, 5,550 mg/kg, 15,400 mg/kg and 9,990 mg/kg, respectively. A "Delineation Map" is provided as Figure 3. Laboratory analytical reports are provided in Appendix D.

On January 31, 2024, Etech revisited the Site. During the site visit, fourteen (14) soil samples (SP-1 @ 2'-R, SP-2 @ 3'-R, SP-3 @ 2'-R, SP-4 @ 10'-R, EH-1 @ Surf., EH2b @ Surf., EH-2b @ 1', NH - 1 @ Surf, NH - 2 @ Surf, SH - 1 @ Surf, SH - 2b @ Surf, SH - 2b @ 1', WH - 1 @ Surf and WH - 2 @ Surf.) were collected in an effort to further investigate the vertical and horizontal extent of soil impacts at the Site. The collected soil samples were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil sample SP-4 @10'-R, which exhibited a concentration of 17.1 mg/kg. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples SP-2 @ 3'-R, SP-3 @ 2'-R and SP-4 @ 10'-R, which exhibited concentrations of 110 mg/kg, 261 mg/kg and 632 mg/kg, respectively. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples SP-2 @ 3'-R, SP-3 @ 2'-R and SP-4 @ 10'-R, which exhibited concentrations of 4,000 mg/kg, 7,460 mg/kg and 10,100 mg/kg, respectively. Chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

In addition, Etech utilized a hand-auger to collect sixteen (16) deferral characterization soil samples (DEF - 1 @ 6", DEF - 1 @ 6' R, DEF - 2 @ 6", DEF - 2 @ 2', DEF - 3 @ 6", DEF - 3 @ 3'-R, DEF - 4 @ 6", DEF - 4 @ 4'-R, DEF - 5 @ 6", DEF - 5 @ 8'-R, DEF - 6 @ 6", DEF - 6 @ 5'-R, DEF - 7 @ 6", DEF - 7 @ 1.5', DEF - 8 @ 6", DEF - 8 @ 1') in an effort to characterize impacts proximate to the lined containment areas and active above ground equipment. The collected soil samples were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples DEF-1 @ 6", DEF-1 @ 6'-R, DEF-3 @ 2'-R, DEF-5 @ 8'-R and DEF-6 @ 6", which exhibited concentrations of 56.0 mg/kg, 240 mg/kg, 180 mg/kg, 483 mg/kg and 102 mg/kg, respectively. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples DEF - 1 @ 6", DEF - 1 @ 6'-R, DEF - 2 @ 6", DEF - 2 @ 2', DEF - 3 @ 6", DEF - 3 @ 3' R, DEF - 4 @ 6", DEF - 5 @ 6", DEF - 5 @ 8'-R and DEF - 6 @ 6", which exhibited concentrations of 12,200 mg/kg, 8,180 mg/kg, 4,250 mg/kg, 4,970 mg/kg, 23,100 mg/kg, 7,920 mg/kg, 33,400 mg/kg, 27,600 mg/kg, 7,650 mg/kg and 43,200 mg/kg, respectively. Soil sample DEF-4 @ 4'-R exhibited a combined GRO & DRO of 1,780 mg/kg, which exceeded the NMOCD Closure Criteria. Chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Further advancement of the hand-augered soil bores was precluded due to site conditions and limitations of the hand-auger. Based on laboratory analytical results from deferral characterization soil samples, additional investigation was warranted in the areas characterized by sample points DEF-1 though DEF-5. Full delineation was achieved in the area characterized by DEF-6 and soil was not impacted above the NMOCD Closure Criteria in the areas characterized by sample points DEF-7 and DEF-8.

On March 13, 2024, Etech revisited the Site in an effort to further characterize impacts in the areas characterized by sample points SP-1, DEF-1, DEF-3, DEF-4, DEF-5 and DEF-8. During the site visit, a mini-excavator was utilized to advance a series of delineation trenches. During the advancement of the delineation trenches, six (6) soil samples (SP 1 @ 3'. DEF 1 @ 12', DEF 3 @ 12', DEF 4 @ 5', DEF 5 @ 9', and DEF 8 @ 2') were collected and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of

soil samples DEF 1 @ 12' and DEF 3 @ 12', which exhibited concentrations of 206 mg/kg and 200 mg/kg, respectively. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples DEF 1 @ 12' and DEF 3 @ 12', which exhibited concentrations of 10,600 mg/kg and 10,700 mg/kg, respectively. Based on laboratory analytical results from the collected soil samples, additional investigation was warranted in the area characterized by sample points DEF 1 and DEF 3.

On July 16, 2024, an air rotary environmental drilling rig was utilized to advance an investigative boring (BH) proximate to sample points DEF-1 and SP-2. During the advancement of the investigative soil boring, three (3) soil samples (BH @ 20', BH @ 24' and BH @ 28') were collected and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene, BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

On September 12, 2024, an alternative environmental contractor completed the excavation of accessible soil impacts present in the southwestern portion of the release site. The floor and sidewalls of the excavated area were advanced until field observations suggested BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria. Five, (5) soil samples (FL @ 7', EW 1, NW 1, SW 1, and WW 1) were collected and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations which were determined to be below the NMOCD Closure Criteria.

September 16, 2024, Permian submitted a *Site Assessment Report, Proposed Remediation Workplan & Partial Deferral Request* detailing field activities conducted to date and laboratory analytical results from delineation and deferral characterization soil samples. The *Workplan* proposed excavating impacted material affected above the NMOCD Closure Criteria to the maximum extent practicable given the proximity to active tank battery equipment including, but not limited to, the heater treater, horizontal separators, tank battery containment and associated above ground equipment. Impacted material remaining in-situ adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment will be remediated upon abandoning and decommissioning that facility or during a major facility deconstruction. Etech maintains excavating impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment poses a safety risk and will results in a major facility deconstruction. The *Workplan* was subsequently approved.

On December 12, 2024, remediation activities resumed at the release site. Impacted material affected above the NMOCD Closure Criteria remaining on the north side of the active tank battery facility was excavated and temporarily stockpiled on-site. The floor of the excavated area was advanced until laboratory analytical results from excavation confirmation soil samples indicated concentrations of BTEX, TPH and chloride were below the NMOCD Closure Criteria. The sidewalls of the excavated area were advanced toward the North, West and East until laboratory analytical results indicated concentrations of BTEX, TPH and chloride were below the NMOCD Closure Criteria. The excavation was advanced toward the south to the maximum extent practicable given the unstable nature of the sandy soil and proximity to the active tank battery facility.

On January 2, 2025, Etech collected twenty-six (26) excavation confirmation soil samples (FL 1 @ 8', FL 2 @ 21', FL 3 @ 21', FL 4 @ 20', FL 5 @ 15', FL 6 @ 15', FL 7 @ 4', FL 8 @ 5', EW 1 @ 0-4', EW 2 @ 4-8', NW 1 @ 0-4', NW 2 @ 0-4', NW 3 @ 4-8', NW 4 @ 4-8', NW 5 @ 8-12', NW 6 @ 12-16', NW 7 @ 16-20', NW 8 @ 0-4', NW 9 @ 4-8', NW 10 @ 8-12', NW 11 @ 12-16', NW 12 @ 16-20', NW 13, WW 1, WW 2 and WW 3) from the floor and sidewalls of the excavated area. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. A "Site and Sample Location Map" is provided as Figure 4.

In addition, Etech collected twelve (12) deferral characterization soil samples (SW 1 - DEF @ 0-4', SW 1 - DEF @ 12'-16', SW 1 - DEF @ 16'-20', SW 1 - DEF @ 4'-8', SW 1 - DEF @ 8'-12', SW 2 - DEF @ 0-4', SW 2 - DEF @ 12'-16', SW 2 - DEF @ 16'-20', SW 2 - DEF @ 4'-8', SW 2 - DEF @ 8'-12', SW 3 - DEF @ 0-4' and SW 3 - DEF @ 4'-8') from the south sidewall and associated benches in an effort to characterize impacted material remaining in-situ to support and ensure the integrity of the active tank battery facility. Laboratory analytical results indicated benzene concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples SW 1 – DEF @ 0-4' and SW 1 – DEF @ 16-20' which exhibited BTEX concentration of 55.8 mg/kg and 109 mg/kg, respectively. TPH concentrations exceeded the NMOCD Closure Criteria each of the submitted soil samples with the exception of soil samples SW 2 DEF @ 0-4, which exhibited a TPH concentration of 262 mg/kg. The maximum TPH concentration remaining in-situ is 17,900 mg/kg as seen in soil sample SW 2 – DEF @ 4'-8'. Etech maintains excavating

impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment poses a safety risk and will results in a major facility deconstruction.

To date approximately 1,820 cubic yards of impacted material has been excavated and transported to and NMOCD-permitted surface waste facility for disposal. Based on laboratory analytical results and remediation activities conducted to date, Etech on behalf of Permian, requests permission to backfill the excavated area with locally sourced non-impacted material. Final remediation and reclamation of impacted material beneath and adjacent to the active tank battery facility in the areas characterized by soil samples DEF – 1 @ 6', DEF 1 @ 12', DEF 3 @ 12', DEF – 5 @ 8'-R, SW 1 - DEF @ 0-4', SW 1 - DEF @ 12'-16', SW 1 - DEF @ 16'-20', SW 1 - DEF @ 4'-8', SW 1 - DEF @ 8'-12', SW 2 - DEF @ 12'-16', SW 2 - DEF @ 16'-20', SW 2 - DEF @ 4'-8', SW 2 - DEF @ 8'-12', SW 3 - DEF @ 0-4' and SW 3 - DEF @ 4'-8' will be remediated upon abandoning and decommissioning the facility.

6.0 PARTIAL DEFERRAL REQUEST

The proposed remediation activities were conducted in accordance with the approved *Site Assessment Report, Proposed Remediation Workplan & Partial Deferral Request*. Impacted material affected above the NMOCD Closure Criteria will be excavated to the maximum extent practicable given the proximity to active tank battery equipment including, but not limited to, the heater treater, horizontal separators, tank battery containment and associated above ground equipment. Impacted material remaining in-situ adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment will be remediated upon abandoning and decommissioning that facility or during a major facility deconstruction. Etech maintains excavating impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment poses a safety risk and will results in a major facility deconstruction.

Final reclamation will be conducted in accordance with applicable NMOCD and NMSLO regulatory guidelines upon abandoning and decommissioning the facility.

7.0 LIMITITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Partial Remediation Summary & Deferral Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Permian Resources. Use of the information contained in this report is prohibited without the consent of Etech and/or Permian Resources.

8.0 DISTRIBUTION

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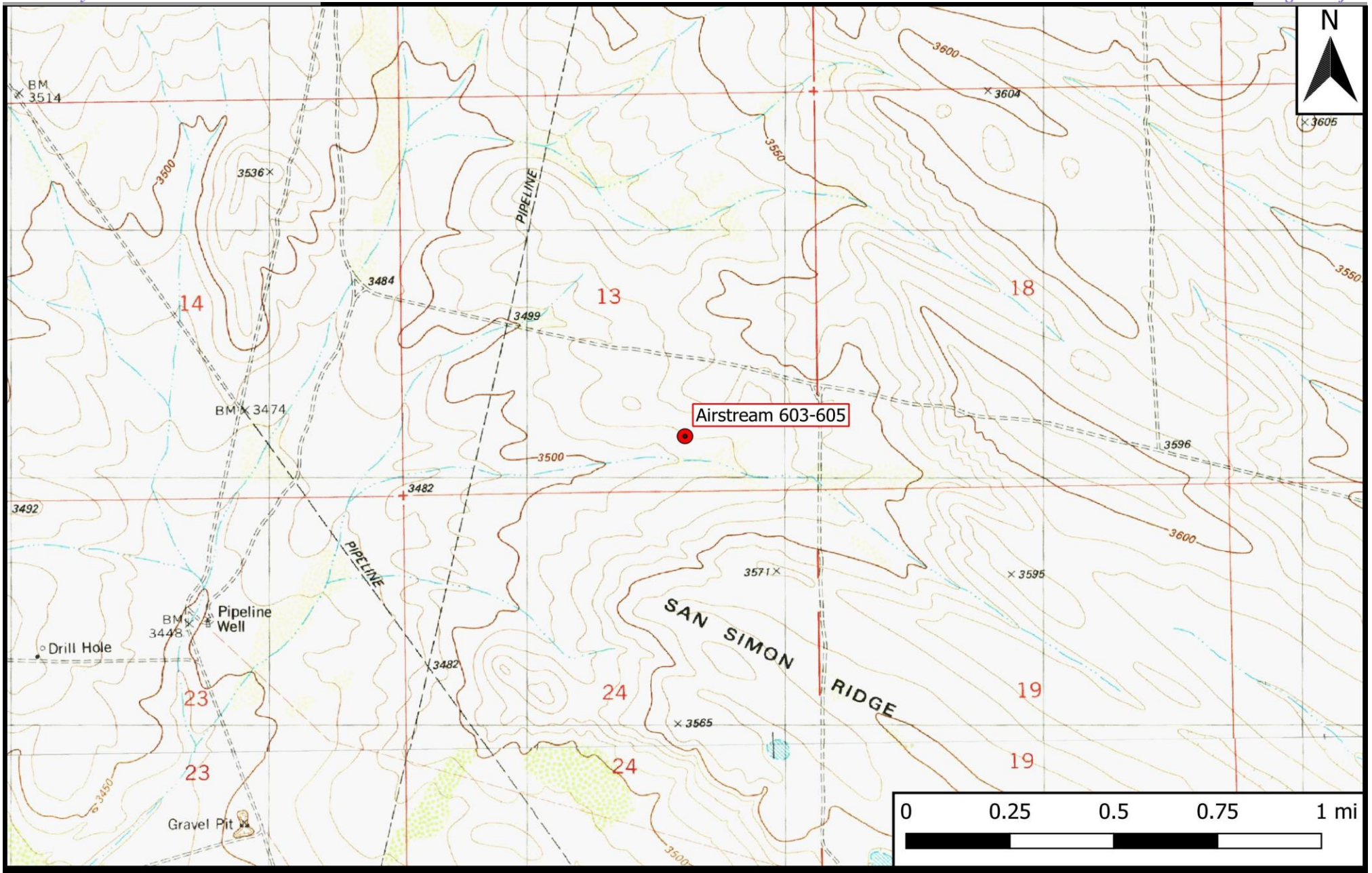
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

New Mexico State Land Office
Environmental Compliance Office
2827 North Dal Paso St. Suite 117
Hobbs, NM 88240

Figure 1
Site Location Map



Legend

- Site Location

Figure 1

Topographic Map

Permian Resources

Airstream 603-605

GPS: 32.38642, -103.42057

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 11/22/23

Figure 2
Aerial Proximity Map

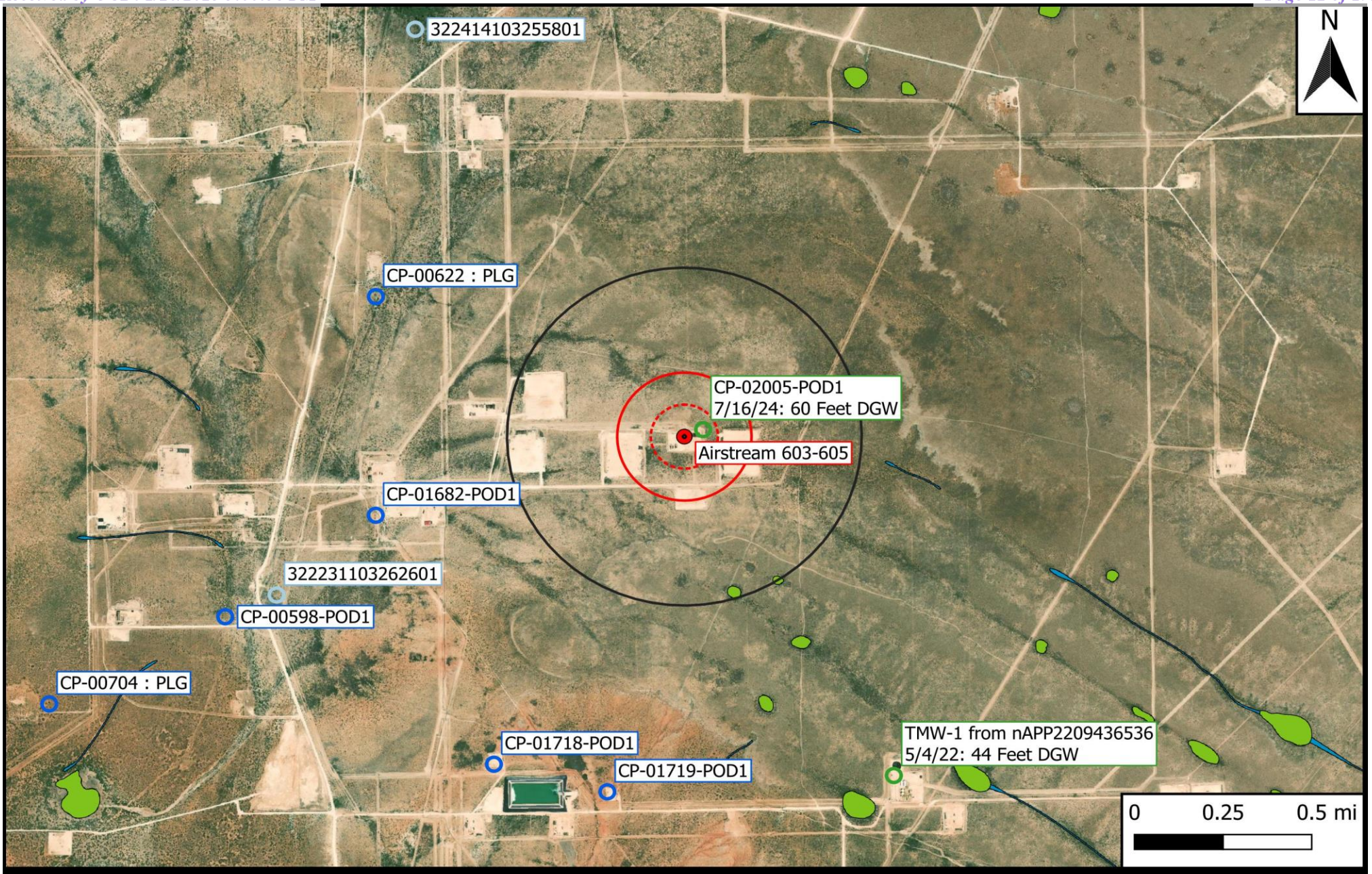


Figure 2

Aerial Proximity Map

Permian Resources

Airstream 603-605

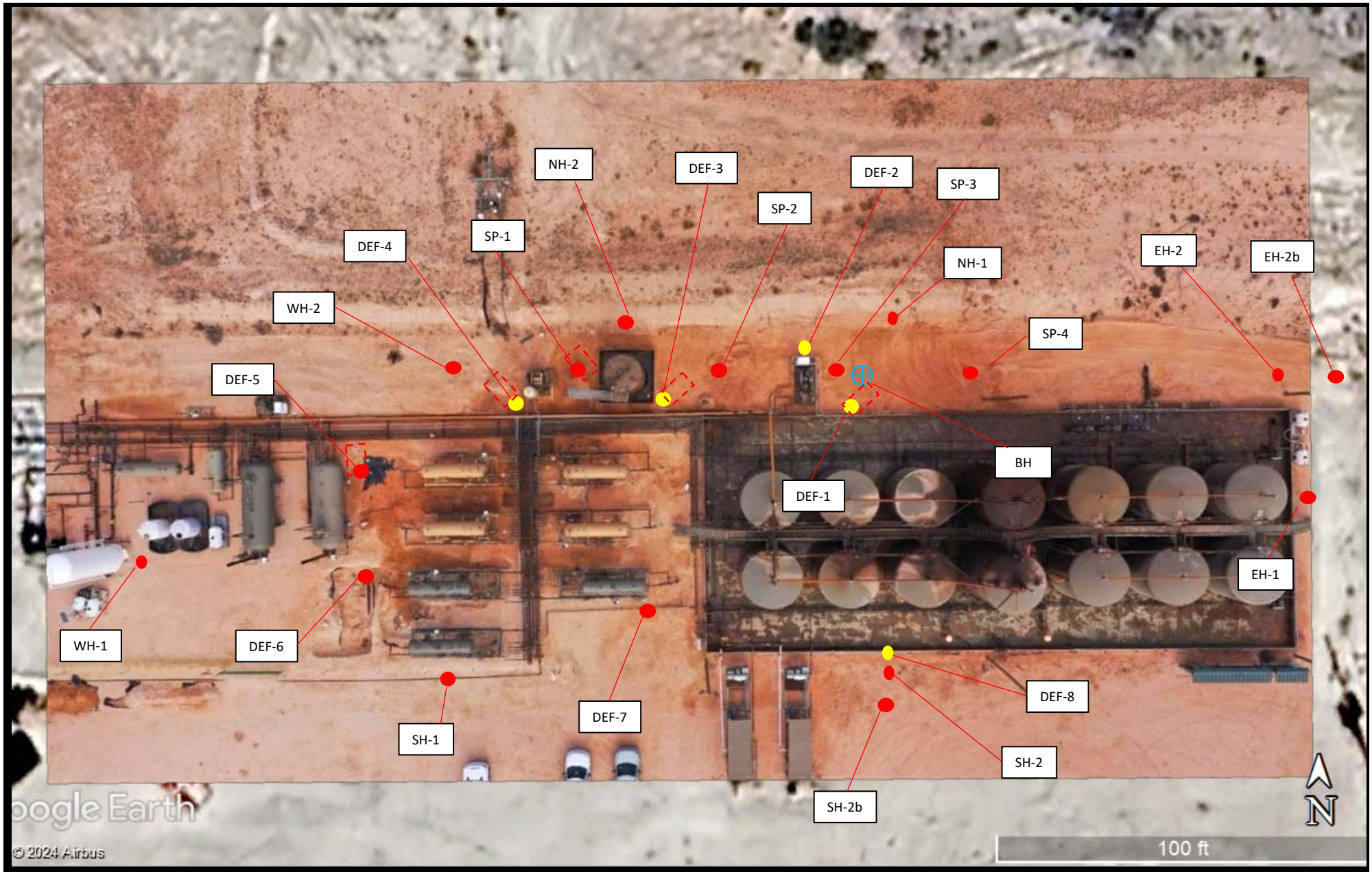
GPS: 32.38642, -103.42057

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 9/9/24

Figure 3
Delineation Map



Legend:

- Sample Point
- Deferral Characterization Soil Samples
- Test Trench
- Soil Boring

Figure 3

Delineation Map

Permian Resources

Airstream 603-605

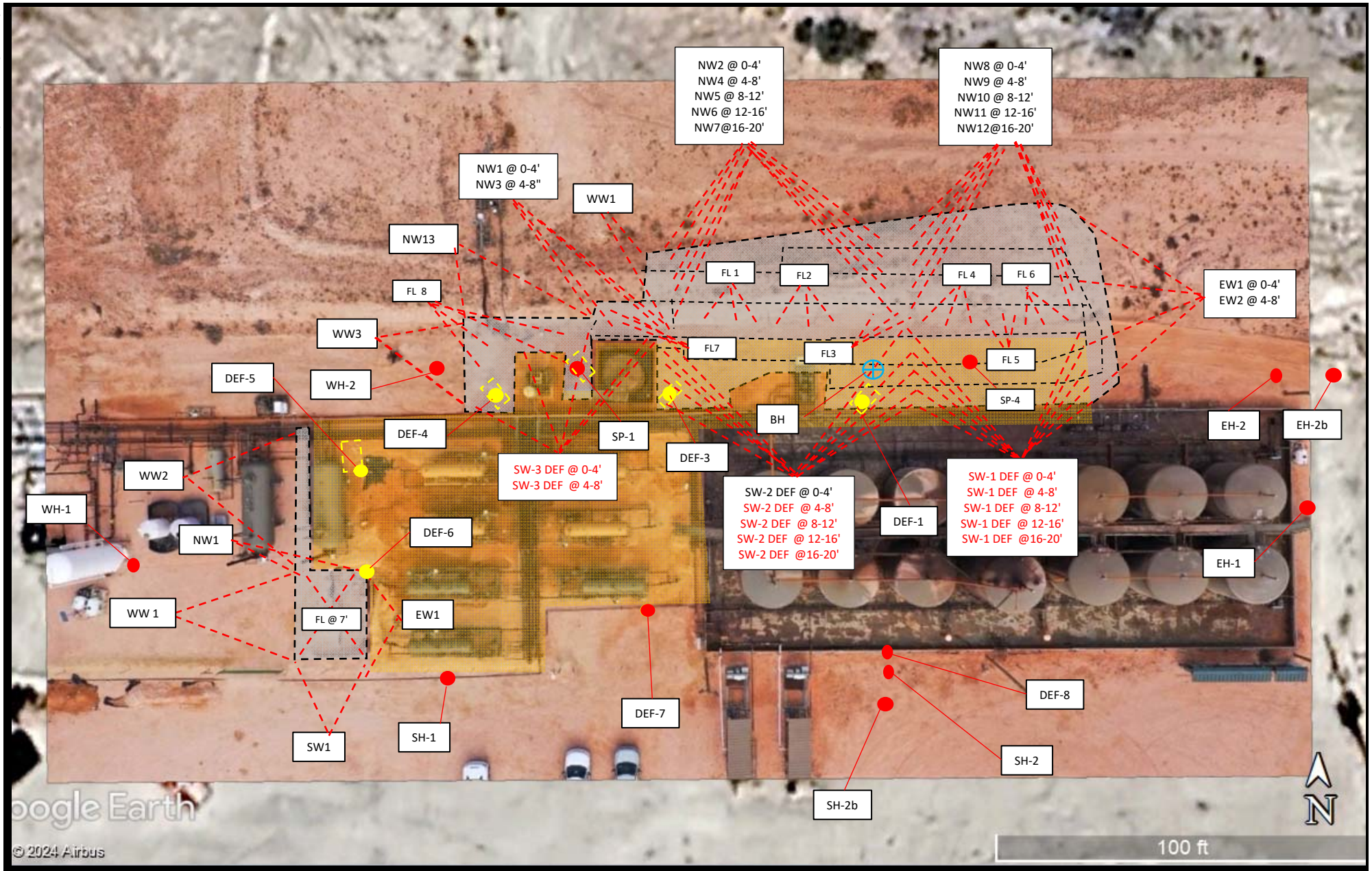
GPS: 32.38642, -103.42057

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: jwl Checked: client Date: 1/17/25

Figure 4
Site and Sample Location Map



Legend:

- Sample Point
- Test Trench
- Soil Boring
- Deferral Characterization Sample
- Proposed Deferral
- Excavated Area

Figure 4

Site and Sample Location Map

Permian Resources

Airstream 603-605

GPS: 32.38642, -103.42057

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: jwl Checked: client Date: 1/17/25

Table 1
Concentrations of BTEX, TPH and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Permian Resources
Airstream 603-605
NMOCD Ref. #: nAPP2320839776

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
EH - 1 @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH - 1 @ 1'	1/22/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH - 2b @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH - 2 @ 1'	1/22/2024	1	In-Situ	<0.050	<0.300	<10.0	64.3	64.3	37.1	101	32.0
EH - 2b @ 1'	1/31/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH - 1 @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH - 1 @ 1'	1/22/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NH - 2 @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NH - 2 @ 1'	1/22/2024	1	In-Situ	<0.050	<0.300	<10.0	70.7	70.7	21.8	92.5	144
SH - 1 @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	42.1	42.1	<10.0	42.1	48.0
SH - 1 @ 1'	1/22/2024	1	In-Situ	<0.050	<0.300	<10.0	18.2	18.2	<10.0	18.2	368
SH - 2b @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	19.2	19.2	<10.0	19.2	32.0
SH - 2 @ 1'	1/22/2024	1	In-Situ	<0.050	<0.300	<10.0	177	177	77.2	254	128
SH - 2b @ 1'	1/31/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH - 1 @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WH - 1 @ 1'	1/22/2024	1	In-Situ	<0.050	1.06	<10.0	<10.0	<20.0	<10.0	<30.0	224
WH - 2 @ Surf	1/31/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WH - 2 @ 1'	1/22/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
BH @ 20'	7/16/2024	20	In-Situ	<0.050	<0.300	<10.0	95.1	95.1	23.0	118	16.0
BH @ 24'	7/16/2024	24	In-Situ	<0.050	<0.300	<10.0	61.0	61.0	12.9	73.9	32.0
BH @ 28'	7/16/2024	28	In-Situ	<0.050	<0.300	<10.0	64.8	64.8	13.6	78.4	32.0
SP 1 @ 1'	1/22/2024	1	Excavated	<0.050	<0.300	<100	13,600	**13,600**	4,690	**18,300**	192
SP - 1 @ 2'-R	1/31/2024	2	Excavated	<0.050	0.482	<10.0	327	327	111	438	64.0
SP 1 @ 3'	3/13/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP - 2 @ 3'-R	1/31/2024	3	Excavated	2.21	**110**	592	2,850	**3,440**	562	**4,000**	960
SP 2 @ 6'	1/22/2024	6	Excavated	1.72	**134**	1,400	3,620	**5,020**	529	**5,550**	752
SP 3 @ 1'	1/22/2024	1	Excavated	<0.500	36.4	745	12,400	**13,100**	2,210	**15,400**	224
SP - 3 @ 2'-R	1/31/2024	2	Excavated	1.46	**261**	1,710	4,870	**6,580**	882	**7,460**	16.0
SP 4 @ 1'	1/22/2024	1	Excavated	0.0560	13.4	408	8,100	**8,510**	1,480	**9,990**	208
SP - 4 @ 10'-R	1/31/2024	10	Excavated	**17.1**	**632**	3,120	5,920	**9,040**	1,070	**10,100**	32.0
FL @ 7'	9/12/2024	7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	13.4	13.4	32.0
EW 1	9/12/2024	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 1	9/12/2024	0-7	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
SW 1	9/12/2024	0-7	In-Situ	<0.050	<0.300	<10.0	242	242	126	368	32.0
WW 1	9/12/2024	0-7	In-Situ	<0.050	<0.300	<10.0	596	596	542	1,140	48.0
FL 1 @ 8'	1/2/2025	8	In-Situ	<0.050	<0.300	<10.0	12.1	12.1	<10.0	12.1	<16.0
FL 2 @ 21'	1/2/2025	21	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 3 @ 21'	1/2/2025	21	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 4 @ 20'	1/2/2025	20	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 5 @ 15'	1/2/2025	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 6 @ 15'	1/2/2025	15	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Permian Resources
Airstream 603-605
NMOCD Ref. #: nAPP2320839776

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
FL 7 @ 4'	1/2/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 8 @ 5'	1/2/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 1 @ 0-4'	1/2/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 2 @ 4-8'	1/2/2025	4-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 1 @ 0-4'	1/2/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 2 @ 0-4'	1/2/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 3 @ 4-8'	1/2/2025	4-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 4 @ 4-8'	1/2/2025	4-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 5 @ 8-12'	1/2/2025	8-12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 6 @ 12-16'	1/2/2025	12-16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 7 @ 16-20'	1/2/2025	16-20	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 8 @ 0-4'	1/2/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 9 @ 4-8'	1/2/2025	4-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 10 @ 8-12'	1/2/2025	8-12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 11 @ 12-16'	1/2/2025	12-16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 12 @ 16-20'	1/2/2025	16-20	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 13	1/2/2025	0-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 1	1/2/2025	0-20	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 2	1/2/2025	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 3	1/2/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
DEF - 1 @ 6"	1/31/2024	0.5	Excavated	0.668	**56.0**	620	9,770	**10,400**	1,810	**12,200**	464
DEF - 1 @ 6'-R	1/31/2024	6	Deferred	1.60	**240**	1,980	5,360	**7,340**	836	**8,180**	1,120
DEF 1 @ 12'	3/13/2024	12	Deferred	2.22	**206**	2,540	7,230	**9,770**	858	**10,600**	80.0
DEF - 2 @ 6"	1/31/2024	0.5	Excavated	0.315	32.3	408	3,260	**3,670**	582	**4,250**	80.0
DEF - 2 @ 2'	1/31/2024	2	Excavated	0.286	35.6	314	3,910	**4,220**	745	**4,970**	368
DEF - 3 @ 6"	1/31/2024	0.5	Excavated	0.269	16.8	384	18,400	**18,800**	4,310	**23,100**	1,150
DEF - 3 @ 3'-R	1/31/2024	3	Excavated	<2.00	**180**	2,000	5,140	**7,140**	783	**7,920**	64.0
DEF 3 @ 12'	3/13/2024	12	Deferred	3.17	**200**	2,590	7,160	**9,750**	914	**10,700**	128
DEF - 4 @ 6"	1/31/2024	0.5	Excavated	0.171	10.4	488	27,700	**28,200**	5,210	**33,400**	112
DEF - 4 @ 4'-R	1/31/2024	4	Excavated	<0.050	5.55	126	1,650	**1,780**	317	**2,090**	48.0
DEF 4 @ 5'	3/13/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
DEF - 5 @ 6"	1/31/2024	0.5	Excavated	<0.050	2.76	<50.0	21,700	**21,700**	5,880	**27,600**	160
DEF - 5 @ 8'-R	1/31/2024	8	Deferred	5.70	**483**	2,110	4,820	**6,930**	716	**7,650**	112
DEF 5 @ 9'	3/13/2024	9	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
DEF - 6 @ 6"	1/31/2024	0.5	Excavated	<0.500	**102**	1,500	35,500	**37,000**	6,220	**43,200**	912
DEF - 6 @ 5'-R	1/31/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
DEF - 7 @ 6"	1/31/2024	0.5	Deferred	<0.050	<0.300	<10.0	10.9	10.9	<10.0	10.9	1,280
DEF - 7 @ 1.5'	1/31/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
DEF - 8 @ 6"	1/31/2024	0.5	In-Situ	<0.050	<0.300	<10.0	401	401	222	623	224
DEF - 8 @ 1'	1/31/2024	1	In-Situ	<0.050	<0.300	<10.0	182	182	37.8	220	208
DEF 8 @ 2'	3/13/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0

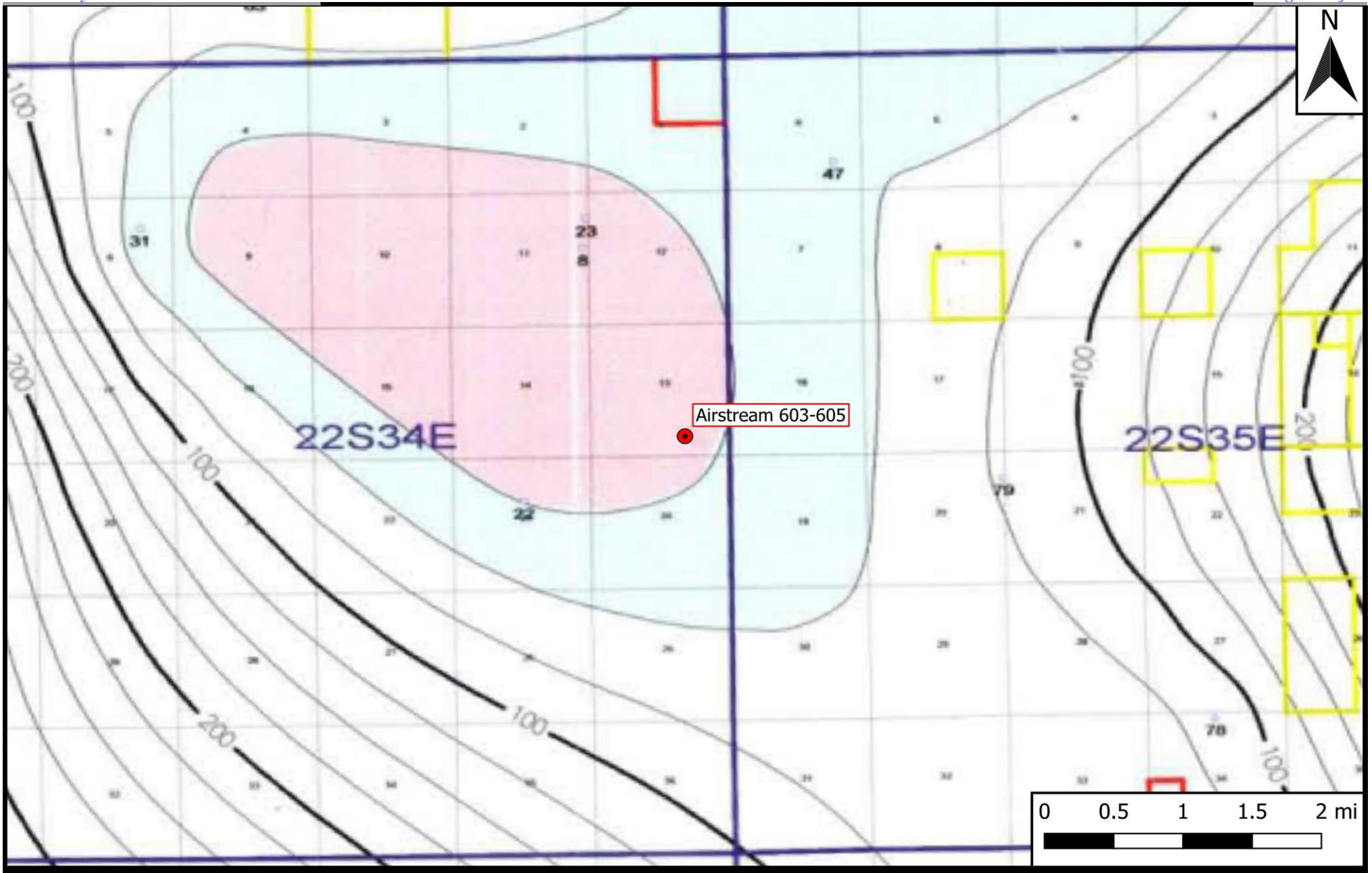
Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Permian Resources
Airstream 603-605
NMOCD Ref. #: nAPP2320839776

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
SW 1 - DEF @ 0-4'	1/2/2025	0-4	Deferred	<0.500	**55.8**	831	3,770	**4,600**	651	**5,250**	32.0
SW 1 - DEF @ 12'-16'	1/2/2025	12-16	Deferred	<1.00	28.5	471	3,260	**3,730**	583	**4,310**	48.0
SW 1 - DEF @ 16'-20'	1/2/2025	16-20	Deferred	<1.00	**109**	1,190	4,390	**5,580**	742	**6,320**	32.0
SW 1 - DEF @ 4'-8'	1/2/2025	4-8	Deferred	<0.500	21.3	369	3,570	**3,940**	643	**4,580**	16.0
SW 1 - DEF @ 8'- 12'	1/2/2025	8- 12	Deferred	<1.00	24.6	354	3,500	**3,850**	632	**4,490**	32.0
SW 2 - DEF @ 0-4'	1/2/2025	0-4	In-Situ	<0.050	<0.300	<10.0	183	183	79.0	262	160
SW 2 - DEF @ 12'-16'	1/2/2025	12-16	Deferred	<1.00	15.4	311	3,770	**4,080**	658	**4,740**	32.0
SW 2 - DEF @ 16'-20'	1/2/2025	16-20	Deferred	<0.500	28.6	783	6,310	**7,090**	1,180	**8,270**	96.0
SW 2 - DEF @ 4'-8'	1/2/2025	4-8	Deferred	<0.500	7.35	216	14,400	**14,600**	3,260	**17,900**	608
SW 2 - DEF @ 8'-12'	1/2/2025	8-12	Deferred	<0.050	0.718	35.0	3,190	**3,230**	722	**3,950**	240
SW 3 - DEF @ 0-4'	1/2/2025	0-4	Deferred	<0.050	<0.300	10.4	2,770	**2,780**	761	**3,540**	224
SW 3 - DEF @ 4'-8'	1/2/2025	4-8	Deferred	<0.050	0.941	29.6	6,520	**6,550**	1,510	**8,060**	1,500

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Appendix A
Depth to Groundwater Information



Legend

- Site Location

Figure 5

Inferred Depth to Groundwater Trend Map

Permian Resources

Airstream 603-605

GPS: 32.38642, -103.42057

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 11/22/23

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod-1		CP-02005

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Permian Resources	575-605-3471

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
PO 3641	Hobbs	NM	88241

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	23	12.15	N
	LONGITUDE	-103	25	10.77	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

SWSE S-13 T-22S R-34E Lea County NM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/12/24	7/12/24	65	65	60

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 60

DATE STATIC MEASURED: 7/16/24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	6	2" SCH 40 FJ Blank	FJ thread 2.38"	2.0	0.19	
55	65	6	2" SCH 40 FJ 0.10 perf	FJ Thread 2.38"	2.0	0.19	0.10

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	white caliche	Y ✓N	
10	20	10	light tan sandy caliche	Y ✓N	
20	63	43	light red alluvial sands	✓Y N	
63	65	2	Red Bed	Y ✓N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): N/A

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Well was installed at the Permian Resources Airstream CTB to determine depth of groundwater, casing was left in the hole until 7/16/24, gauged, pulled, and well bore was plugged.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

7/19/24 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

Environmental & Safety Solutions, Inc.

Soil Boring/Temporary Monitor Well TMW-1

Company: Goodnight Midstream Permian, LLC	**Well/Borehole ID:** TMW-1	**Drilling Company:** Scarborough Drilling, Inc.
Site: Jalapeno RP	**Coordinates (NAD 83):** 32.371791,-103.410713	**Driller:** L. Scarborough
NMOCD Reference #: nAPP2132245281	**Drilling Date:** 5/4/2022	**Drilling Method:** Air Rotary
Location: Lea Co., NM	**Depth of Boring (ft):** 80	**Logged By:** L. Scarborough
PLSS: U/L "N", Sec. 19, T22S, R35E	**Depth to Groundwater (ft):** 44	**Drafted By:** B. Arguijo
	Plugging Date: 6/1/2022	**Draft Date:** 6/10/2022
Completion: N/A	**Casing:** 2" PVC	**Screen:** 0.1" Slotted

Comments: Temporary monitor well advanced in northwest corner of production pad.

Depth (ft)	Groundwater	Lithology	Material Description	Chloride Field Test	Petroleum Odor	Petroleum Stain	Well Construction
0			Caliche pad	-	-	-	
2			Caliche fines				
5			Sand	-	-	-	
10				-	-	-	
15				-	-	-	
20				-	-	-	
25				-	-	-	
30				-	-	-	
35				-	-	-	
40				-	-	-	
45	▽			-	-	-	▽ Open Hole
50				-	-	-	
55				-	-	-	
60				-	-	-	
65				-	-	-	
70				-	-	-	
75				-	-	-	
80				-	-	-	
85			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual.				
90							
95							

Disclaimer This bore log is intended for environmental not geotechnical purposes.

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
2062A	CP 01682 POD1	1	2	2	23	22S	34E	647164	3583992

Driller License:	421	**Driller Company:**	GLENN'S WATER WELL SERVICE		
Driller Name:	CORKY GLENN				
Drill Start Date:	09/10/2019	**Drill Finish Date:**	09/13/2019	**Plug Date:**	
Log File Date:	09/19/2019	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	15 GPM
Casing Size:	8.13	**Depth Well:**	294 feet	**Depth Water:**	42 feet

Water Bearing Stratifications:	Top	Bottom	Description
	42	56	Sandstone/Gravel/Conglomerate
	68	92	Sandstone/Gravel/Conglomerate
	242	274	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	0	294

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00622	3	4	2	14	22S	34E	647164	3585030*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: MURRELL ABBOTT

Drill Start Date:	06/03/1980	**Drill Finish Date:**	06/06/1980	**Plug Date:**	06/06/1980
Log File Date:		**PCW Rcv Date:**		**Source:**	
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**		**Depth Water:**	

***UTM location was derived from PLSS - see Help**

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

FIELD CHECK

Section 1. GENERAL INFORMATION

(A) Owner of well Pogo Producing Co. Owner's Well No. BKD Comm.# 1
Street or Post Office Address P.O. Box 10340
City and State Midland, Texas 79701

Well was drilled under Permit No. CP-622 and is located in the:

a. ____ ¼ SW ¼ SE ¼ NE ¼ of Section 14 Township 22S Range 34E N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in Lea County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor Abbott Bros. License No. WD-46

Address P.O. Box 637, Hobbs, New Mexico 88240

Drilling Began 6/3/80 Completed 6/6/80 Type tools Cable Size of hole 8 in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well Dry Hole ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well ____ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
DRY	HOLE			

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
NO CASING DRY HOLE								

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor Abbott Bros.
Address P.O. Box 637, Hobbs, New Mexico 88240
Plugging Method Ruble filled & cement at top
Date Well Plugged 6/6/80
Plugging approved by:

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received June 12, 1980

Quad ____ FWL ____ FSL ____

File No. CP-622 Use OWD Location No. 22.34.14.24322

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	3	3	Topsoil
3	28	25	Caliche
28	60	32	Sand w/streaks of gravel
60	74	14	Cemented gravel
74	110	36	Sand and gravel
110	225	15	Red bed

Section 7. REMARKS AND ADDITIONAL INFORMATION

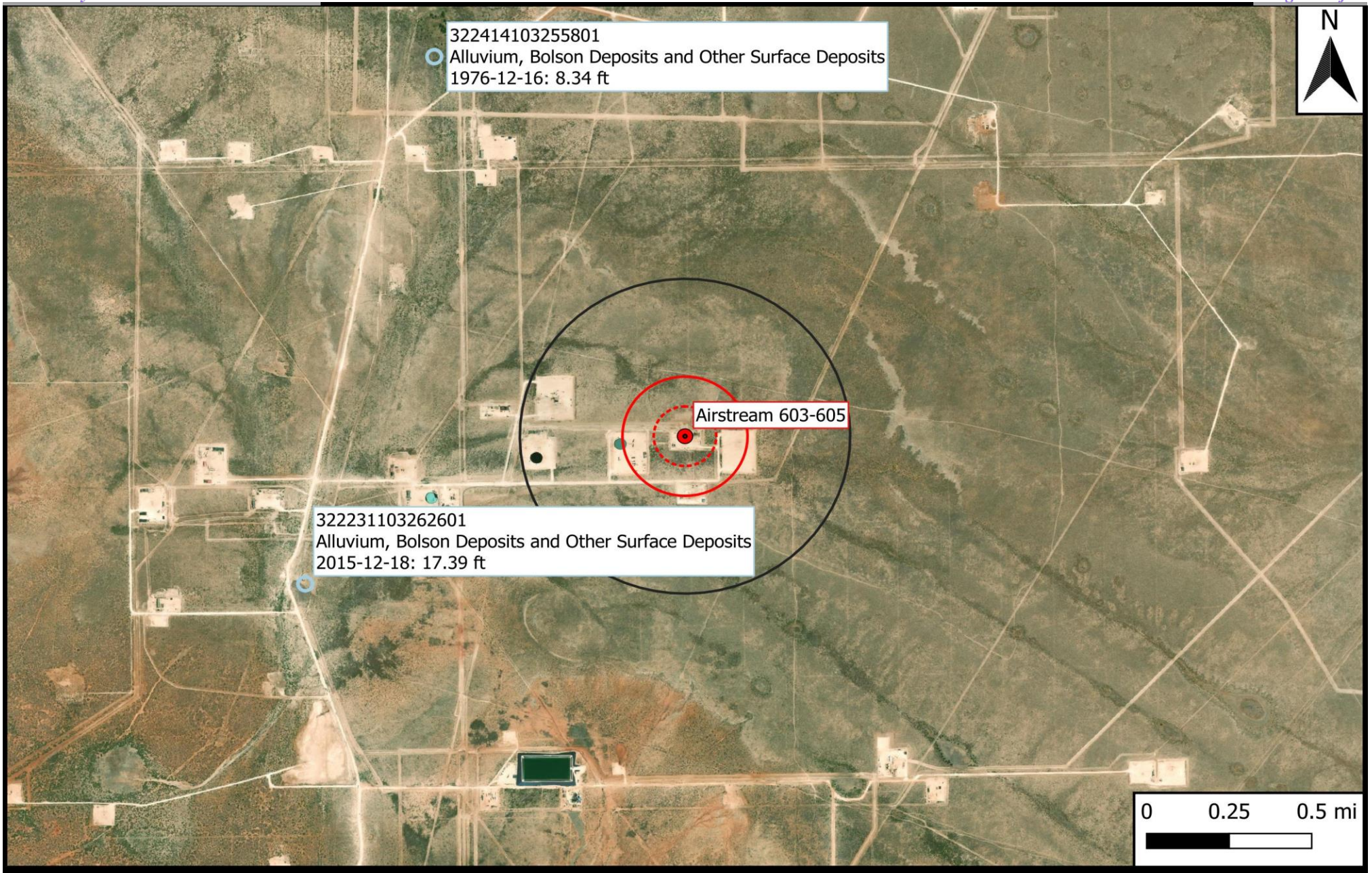
RECEIVED
1980 JUN 12 AM 7 51
STATE ENGINEER OFFICE
ROSWELL, N. M. OFFICE

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Murrell Abbott
Driller

6-11-80

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled for any purpose. When this form is used as a plugging record, only Section 1(a) and Section 6 need be completed.



Legend
- Site Location
- Well - USGS
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius

Figure 6
USGS Well Proximity Map
Permian Resources
Airstream 603-605
GPS: 32.38642, -103.42057
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 11/22/23

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322231103262601

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

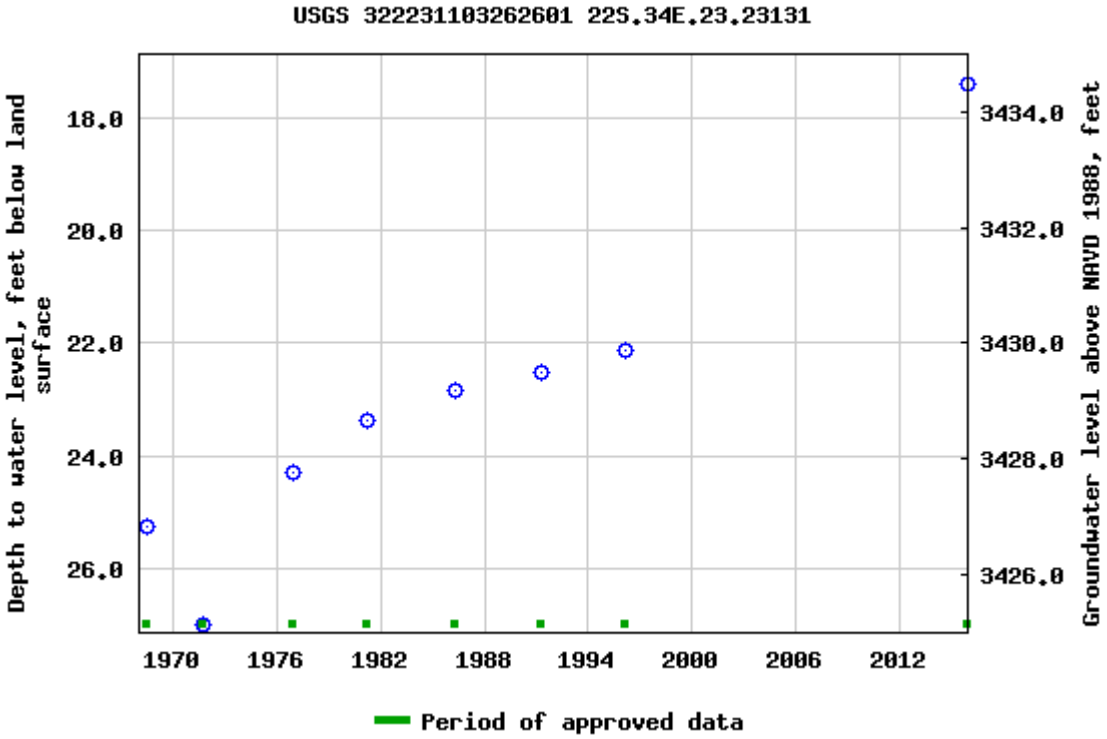
USGS 322231103262601 22S.34E.23.23131

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°22'47.6", Longitude 103°26'25.3" NAD83
Land-surface elevation 3,452 feet above NAVD88
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-11-22 12:20:09 EST
0.64 0.51 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322414103255801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

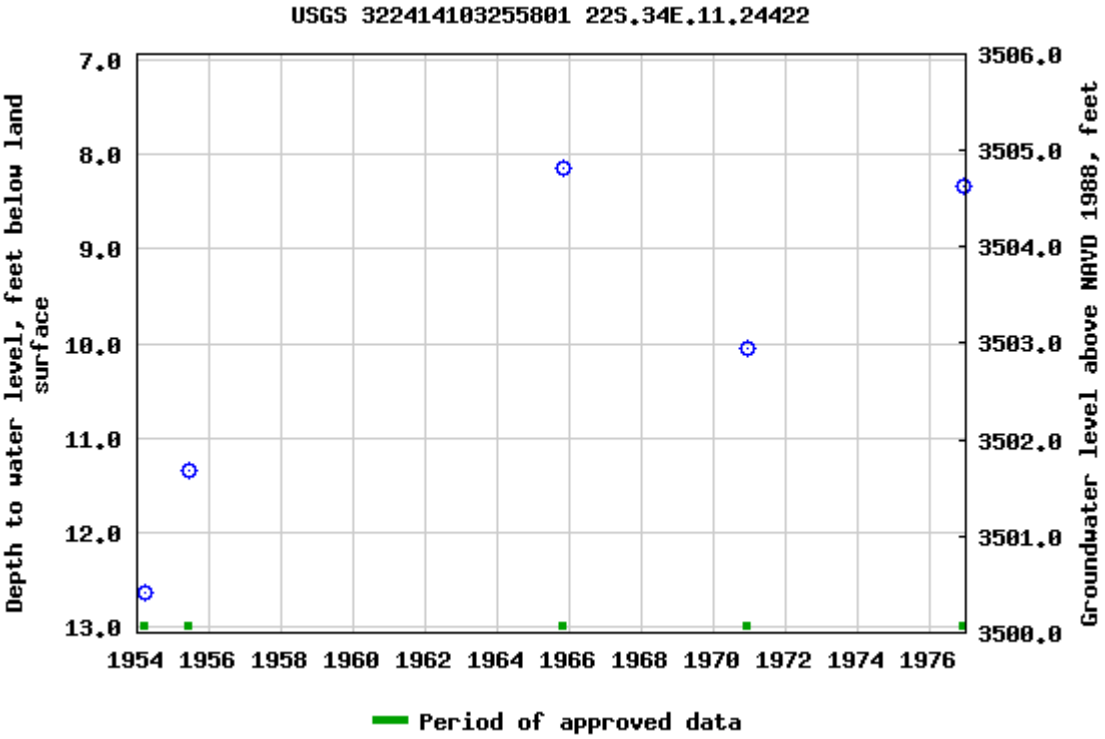
USGS 322414103255801 22S.34E.11.24422

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°24'14", Longitude 103°25'58" NAD27
Land-surface elevation 3,513 feet above NAVD88
The depth of the well is 16 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-11-22 12:20:10 EST
0.59 0.47 nadww01

Appendix B

Field Data and Soil Boring Log

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod-1		CP-02005

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Permian Resources	575-605-3471

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
PO 3641	Hobbs	NM	88241

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	23	12.15	N
	LONGITUDE	-103	25	10.77	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

SWSE S-13 T-22S R-34E Lea County NM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/12/24	7/12/24	65	65	60

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 60

DATE STATIC MEASURED: 7/16/24

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	6	2" SCH 40 FJ Blank	FJ thread 2.38"	2.0	0.19	
55	65	6	2" SCH 40 FJ 0.10 perf	FJ Thread 2.38"	2.0	0.19	0.10

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	white caliche	Y ✓N	
10	20	10	light tan sandy caliche	Y ✓N	
20	63	43	light red alluvial sands	✓Y N	
63	65	2	Red Bed	Y ✓N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): N/A

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Well was installed at the Permian Resources Airstream CTB to determine depth of groundwater, casing was left in the hole until 7/16/24, gauged, pulled, and well bore was plugged.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

7/19/24 — DATE

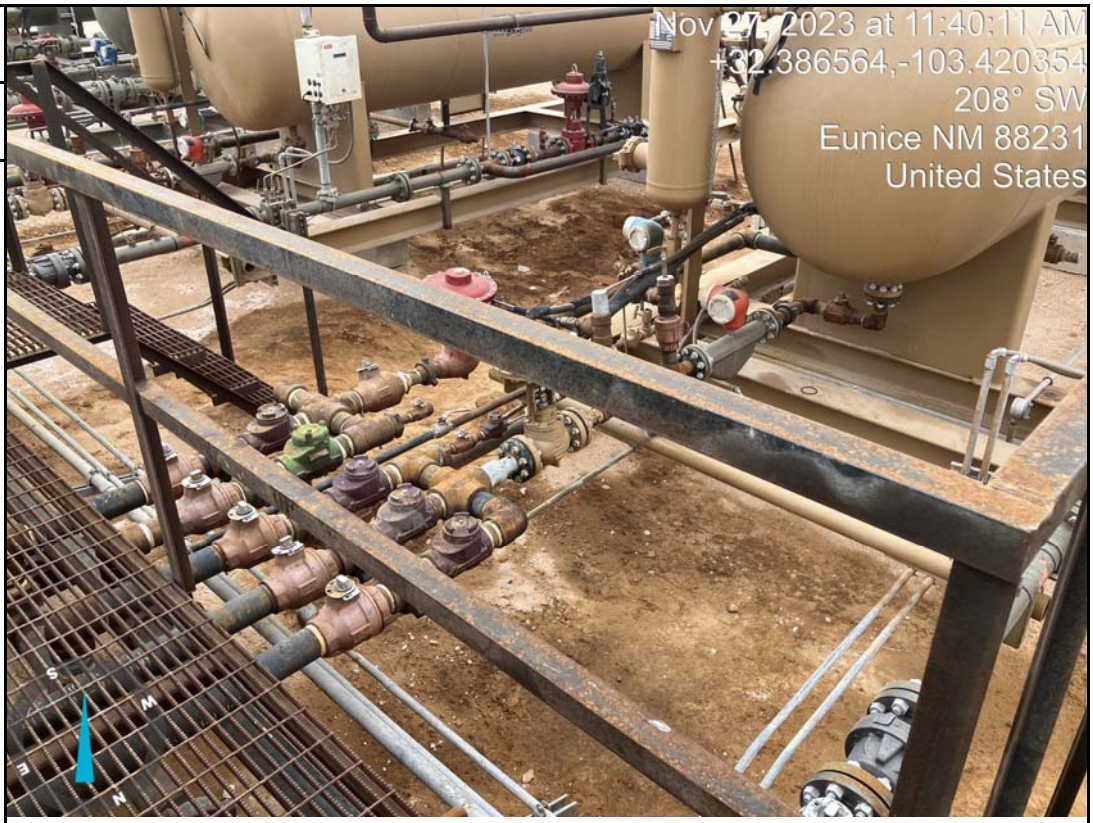
FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

Appendix C
Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: West	
Photo Description: View of surface staining within the facility proximate to the seperators.	

Photo Number: 2	
Photo Direction: Southwest	
Photo Description: View of surface staining within the facility proximate to the seperators.	

Photographic Log

Photo Number: 3 **Photo Direction:** Northeast **Photo Description:** View of surface staining on the north side of the tank battery facility.	

Photo Number: 4 **Photo Direction:** West **Photo Description:** View of surface staining within the facility proximate to the seperators.	

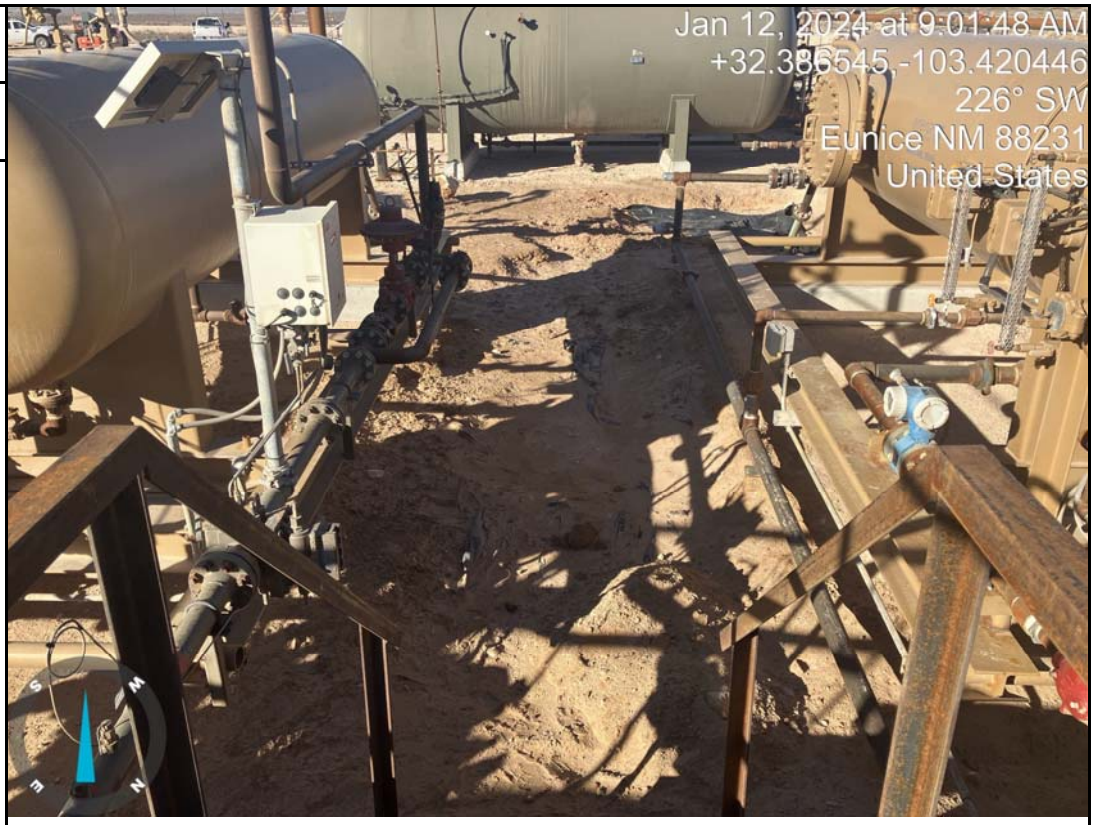
Photographic Log

Photo Number: 5 **Photo Direction:** Northeast **Photo Description:** View of surface staining within the facility proximate to the seperators.	

Photo Number: 6 **Photo Direction:** West **Photo Description:** View of affected area proximate to the seperators after excavation activities.	

Photographic Log

Photo Number: 7 **Photo Direction:** Southwest **Photo Description:** View of affected area on the north side of the tank battery containment after initial excavation activities.	

Photo Number: 8 **Photo Direction:** West **Photo Description:** View of affected area proximate to the seperators after excavation activities.	

Photographic Log

Photo Number: 9	
Photo Direction: West	
Photo Description: View of affected area on the north side of the tank battery containment after initial excavation activities.	

Photo Number: 10	
Photo Direction: West	
Photo Description: View of affected area on the north side of the tank battery containment after initial excavation activities.	

Photographic Log

Photo Number: 10	
Photo Direction: Southwest	
Photo Description: Aerial view of portion of the excavated area on the north side of the active tank battery facility.	

Photo Number: 11	
Photo Direction: East	
Photo Description: Aerial of portion of the excavated area on the north side of the active tank battery facility.	

Photographic Log

Photo Number: 12	
Photo Direction: Southeast	
Photo Description: View of portion of the excavated area on the north side of the active tank battery facility.	

Photo Number: 13	
Photo Direction: South	
Photo Description: View of portion of the excavated area on the north side of the active tank battery facility.	

Appendix D
Laboratory Analytical Reports

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 26, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: SP 1 @ 1' (H240286-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	2.39	
Toluene*	**0.095**	0.050	01/23/2024	ND	2.15	108	2.00	6.97	
Ethylbenzene*	**0.051**	0.050	01/23/2024	ND	2.22	111	2.00	9.34	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.60	110	6.00	11.1	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	01/24/2024	ND	220	110	200	0.608	
DRO >C10-C28*	**13600**	100	01/24/2024	ND	202	101	200	1.98	
EXT DRO >C28-C36	**4690**	100	01/24/2024	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *577 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: SP 2 @ 6' (H240286-02)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**1.72**	0.500	01/23/2024	ND	2.17	109	2.00	2.39	
Toluene*	**29.2**	0.500	01/23/2024	ND	2.15	108	2.00	6.97	
Ethylbenzene*	**23.0**	0.500	01/23/2024	ND	2.22	111	2.00	9.34	
Total Xylenes*	**80.1**	1.50	01/23/2024	ND	6.60	110	6.00	11.1	
Total BTEX	**134**	3.00	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *136 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**752**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1400**	10.0	01/23/2024	ND	220	110	200	0.608	
DRO >C10-C28*	**3620**	10.0	01/23/2024	ND	202	101	200	1.98	
EXT DRO >C28-C36	**529**	10.0	01/23/2024	ND					

Surrogate: 1-Chlorooctane *168 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *127 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: SP 3 @ 1' (H240286-03)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/23/2024	ND	2.17	109	2.00	2.39	
Toluene*	**7.55**	0.500	01/23/2024	ND	2.15	108	2.00	6.97	
Ethylbenzene*	**5.90**	0.500	01/23/2024	ND	2.22	111	2.00	9.34	
Total Xylenes*	**22.9**	1.50	01/23/2024	ND	6.60	110	6.00	11.1	
Total BTEX	**36.4**	3.00	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *136 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**745**	100	01/24/2024	ND	220	110	200	0.608	
DRO >C10-C28*	**12400**	100	01/24/2024	ND	202	101	200	1.98	
EXT DRO >C28-C36	**2210**	100	01/24/2024	ND					

Surrogate: 1-Chlorooctane *342 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *307 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: SP 4 @ 1' (H240286-04)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.056**	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	**1.64**	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	**2.51**	0.050	01/23/2024	ND	2.23	111	2.00	4.06	QM-07
Total Xylenes*	**9.24**	0.150	01/23/2024	ND	6.68	111	6.00	3.91	QM-07
Total BTEX	**13.4**	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *169 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**408**	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	**8100**	10.0	01/24/2024	ND	205	102	200	0.276	QM-07
EXT DRO >C28-C36	**1480**	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *149 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *223 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: WH - 1 @ 1' (H240286-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	**0.332**	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	**0.171**	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	**0.559**	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	**1.06**	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *56.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *60.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: WH - 2 @ 1' (H240286-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *85.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: SH - 1 @ 1' (H240286-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	**18.2**	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *83.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: SH - 2 @ 1' (H240286-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	**177**	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	**77.2**	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *96.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: EH - 1 @ 1' (H240286-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *84.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: EH - 2 @ 1' (H240286-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	**64.3**	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	**37.1**	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *91.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: NH - 1 @ 1' (H240286-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *94.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: NH - 2 @ 1' (H240286-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	01/23/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	**70.7**	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	**21.8**	10.0	01/24/2024	ND					

Surrogate: 1-Chlorooctane *71.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.		
Project Manager:	Joel Lowry		
Address:	2617 West Marland		
City:	Hobbs	**State:** NM **Zip:** 88240	
Phone #:	(575) 264-9884	**Fax #:**	
Project #:	19397	**Project Owner:**	Permian Resources
Project Name:	Airstream 603-605		
Project Location:	GPS: (32.38642, -103.42057)		
Sampler Name:	Martin Sepulveda		

BILL TO

P.O. #:	
Company	Etech
Attn:	Joel Lowry
Address:	
City:	
State:	**Zip:**
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H240286																	
1	SP1 @ 1'	G	1			X					X		1/22/24		X	X	X
2	SP2 @ 6'	G	1			X					X		1/22/24		X	X	X
3	SP3 @ 1'	G	1			X					X		1/22/24		X	X	X
4	SP4 @ 1'	G	1			X					X		1/22/24		X	X	X
5	WH-1 @ 1'	G	1			X					X		1/22/24		X	X	X
6	WH-2 @ 1'	G	1			X					X		1/22/24		X	X	X
7	SH-1 @ 1'	G	1			X					X		1/22/24		X	X	X
8	SH-2 @ 1'	G	1			X					X		1/22/24		X	X	X
9	EH-1 @ 1'	G	1			X					X		1/22/24		X	X	X
10	EH-2 @ 1'	G	1			X					X		1/22/24		X	X	X

Relinquished By:	**Date:** 1-23-24	**Received By:**	
	Time: 0810		SRodriguez
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -4.2c #140

Sample Condition
Cool: ☐ Yes ☐ No
Intact: ☐ Yes ☐ No

CHECKED BY: (Initials) SR

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.
Project Manager:	Joel Lowry
Address:	2617 West Marland
City:	Hobbs **State:** NM **Zip:** 88240
Phone #:	(575) 264-9884 **Fax #:**
Project #:	19397 **Project Owner:** Permian Resources
Project Name:	Airstream 603-605
Project Location:	GPS: (32.38642, -103.42057)
Sampler Name:	Martin Sepulveda

BILL TO

P.O. #:	
Company	Etech
Attn:	Joel Lowry
Address:	
City:	
State:	**Zip:**
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H240286																	
1	NH-1 @ 1'	G	1			X					X		1/22/24		X	X	X
2	NH-2 @ 1'	G	1			X					X		1/22/24		X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 1.23.24	**Received By:**	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 0810		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		Please email copy of COC and results to pm@etechenv.com.

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -4.2c #140

Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No

CHECKED BY: (Initials)

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 13, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 02/01/24 14:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DEF - 1 @ 6"	H240494-01	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 2 @ 6"	H240494-02	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 3 @ 6"	H240494-03	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 4 @ 6"	H240494-04	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 5 @ 6"	H240494-05	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 6 @ 6"	H240494-06	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 7 @ 6"	H240494-07	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 8 @ 6"	H240494-08	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 1 @ 6'-R	H240494-09	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 2 @ 2'	H240494-10	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 3 @ 3'-R	H240494-11	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 4 @ 4'-R	H240494-12	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 5 @ 8'-R	H240494-13	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 6 @ 5'-R	H240494-14	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 7 @ 1.5'	H240494-15	Soil	31-Jan-24 00:00	01-Feb-24 14:53
DEF - 8 @ 1'	H240494-16	Soil	31-Jan-24 00:00	01-Feb-24 14:53
SP - 1 @ 2'-R	H240494-17	Soil	31-Jan-24 00:00	01-Feb-24 14:53
SP - 2 @ 3'-R	H240494-18	Soil	31-Jan-24 00:00	01-Feb-24 14:53
SP - 3 @ 2'-R	H240494-19	Soil	31-Jan-24 00:00	01-Feb-24 14:53
SP - 4 @ 10'-R	H240494-20	Soil	31-Jan-24 00:00	01-Feb-24 14:53
WH - 1 @ SURF	H240494-21	Soil	31-Jan-24 00:00	01-Feb-24 14:53
WH - 2 @ SURF	H240494-22	Soil	31-Jan-24 00:00	01-Feb-24 14:53
NH - 1 @ SURF	H240494-23	Soil	31-Jan-24 00:00	01-Feb-24 14:53
NH - 2 @ SURF	H240494-24	Soil	31-Jan-24 00:00	01-Feb-24 14:53
SH - 1 @ SURF	H240494-25	Soil	31-Jan-24 00:00	01-Feb-24 14:53
SH - 2b @ SURF	H240494-26	Soil	31-Jan-24 00:00	01-Feb-24 14:53
SH - 2b @ 1'	H240494-27	Soil	31-Jan-24 00:00	01-Feb-24 14:53

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

EH - 1 @ SURF	H240494-28	Soil	31-Jan-24 00:00	01-Feb-24 14:53
EH - 2b @ 1'	H240494-29	Soil	31-Jan-24 00:00	01-Feb-24 14:53
EH - 2b @ SURF	H240494-30	Soil	31-Jan-24 00:00	01-Feb-24 14:53

02/07/24 - Client changed the sample ID on -29 (see COC). This is the revised report and will replace the one sent on 02/06/24.

02/13/24 - Client changed the sample IDs on -26, -27, -29 and 30 (see COC). This is the 2nd revision of the report and will replace the one sent on 02/07/24.

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 1 @ 6"

H240494-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**0.668**		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Toluene*	**12.7**		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**11.2**		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**31.4**		0.300	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Total BTEX	**56.0**		0.600	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*178 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**620**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**9770**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**1810**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*116 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*206 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 2 @ 6"

H240494-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**80.0**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**0.315**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Toluene*	**6.32**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**6.54**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**19.1**		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	**32.3**		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*216 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**408**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**3260**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**582**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*138 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*112 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 3 @ 6"

H240494-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1150**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**0.269**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Toluene*	**3.72**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**3.08**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**9.71**		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	**16.8**		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*174 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**384**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**18400**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**4310**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*129 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*450 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 4 @ 6"

H240494-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**0.171**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Toluene*	**0.778**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**1.90**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**7.53**		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	**10.4**		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*213 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**488**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**27700**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**5210**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*180 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*598 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 5 @ 6"

H240494-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Toluene*	**0.415**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**0.562**		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**1.78**		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	**2.76**		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*121 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	<50.0		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**21700**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**5880**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*91.7 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*577 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 6 @ 6"

H240494-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**912**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.500		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Toluene*	**17.7**		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**19.0**		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**65.4**		1.50	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total BTEX	**102**		3.00	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*144 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-06**
GRO C6-C10*	**1500**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**35500**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**6220**		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*179 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*751 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 7 @ 6"

H240494-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1280**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*103 %*	*71.5-134*		*4020207*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**10.9**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*95.5 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*93.6 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 8 @ 6"

H240494-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**224**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*71.5-134*		*4020207*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**401**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**222**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*97.9 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 1 @ 6'-R

H240494-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1120**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**1.60**		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Toluene*	**60.2**		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**48.1**		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**130**		1.50	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total BTEX	**240**		3.00	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*155 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**1980**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**5360**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**836**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*125 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*111 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

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CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 2 @ 2'

H240494-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**368**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**0.286**		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Toluene*	**7.31**		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	**6.99**		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	**21.0**		0.300	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Total BTEX	**35.6**		0.600	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*164 %*	*71.5-134*		*4020207*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**314**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	**3910**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**745**		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*123 %*	*48.2-134*		*4020147*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*49.1-148*		*4020147*	MS	*02-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 3 @ 3'-R

H240494-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<2.00		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	QM-07
Toluene*	**43.5**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	QM-07
Ethylbenzene*	**33.6**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	QM-07
Total Xylenes*	**103**		6.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	QM-07
Total BTEX	**180**		12.0	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*107 %*	*71.5-134*		*4020209*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**2000**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	**5140**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	**783**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*123 %*	*48.2-134*		*4020147*	MS	*03-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*110 %*	*49.1-148*		*4020147*	MS	*03-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 4 @ 4'-R

H240494-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	**0.881**		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	**0.956**		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	**3.71**		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	**5.55**		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*172 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**126**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	**1650**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	**317**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*114 %*	*48.2-134*		*4020147*	MS	*03-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*107 %*	*49.1-148*		*4020147*	MS	*03-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 5 @ 8'-R

H240494-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	**5.70**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Toluene*	**121**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	**90.2**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	**266**		6.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total BTEX	**483**		12.0	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*130 %*	*71.5-134*		*4020209*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**2110**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	**4820**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	**716**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*130 %*	*48.2-134*		*4020147*	MS	*03-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*116 %*	*49.1-148*		*4020147*	MS	*03-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 6 @ 5'-R

H240494-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*90.1 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*96.9 %*	*48.2-134*		*4020147*	MS	*03-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.4 %*	*49.1-148*		*4020147*	MS	*03-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 7 @ 1.5'

H240494-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**112**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*116 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*91.9 %*	*48.2-134*		*4020147*	MS	*03-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*90.7 %*	*49.1-148*		*4020147*	MS	*03-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

DEF - 8 @ 1'

H240494-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**208**		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	**0.090**		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	**182**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	**37.8**		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*92.7 %*	*48.2-134*		*4020147*	MS	*03-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.6 %*	*49.1-148*		*4020147*	MS	*03-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

SP - 1 @ 2'-R

H240494-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	**0.258**		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	**0.081**		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	**0.482**		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	**327**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**111**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*93.1 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*114 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

SP - 2 @ 3'-R

H240494-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**960**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	**2.21**		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Toluene*	**31.8**		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	**18.6**		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	**57.1**		3.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Total BTEX	**110**		6.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*113 %*	*71.5-134*		*4020209*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**592**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	**2850**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**562**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*121 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*120 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

SP - 3 @ 2'-R

H240494-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	**1.46**		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Toluene*	**46.6**		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	**50.1**		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	**163**		3.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Total BTEX	**261**		6.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*142 %*	*71.5-134*		*4020209*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**1710**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	**4870**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	**882**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*180 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*123 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

SP - 4 @ 10'-R

H240494-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	**17.1**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Toluene*	**203**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	**106**		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	**306**		6.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total BTEX	**632**		12.0	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*117 %*	*71.5-134*		*4020209*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										**S-04**
GRO C6-C10*	**3120**		10.0	mg/kg	1	4020148	MS	03-Feb-24	8015B	
DRO >C10-C28*	**5920**		10.0	mg/kg	1	4020148	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	**1070**		10.0	mg/kg	1	4020148	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*213 %*	*48.2-134*		*4020148*	MS	*03-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*134 %*	*49.1-148*		*4020148*	MS	*03-Feb-24*	*8015B*	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

WH - 1 @ SURF

H240494-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*76.0 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*81.1 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

WH - 2 @ SURF

H240494-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.8 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*88.6 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.4 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

NH - 1 @ SURF

H240494-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*111 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*93.0 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*100 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

NH - 2 @ SURF

H240494-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*95.6 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*104 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

SH - 1 @ SURF

H240494-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	**42.1**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*85.2 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.2 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

SH - 2b @ SURF

H240494-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	**19.2**		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*83.7 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.3 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

SH - 2b @ 1'

H240494-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*92.3 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*101 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

EH - 1 @ SURF

H240494-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.9 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*91.5 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

EH - 2b @ 1'

H240494-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*4020209*	JH	*02-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*93.0 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*100 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

EH - 2b @ SURF

H240494-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*71.5-134*		*4020209*	JH	*03-Feb-24*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			*78.3 %*	*48.2-134*		*4020148*	MS	*02-Feb-24*	*8015B*	
Surrogate: 1-Chlorooctadecane			*85.8 %*	*49.1-148*		*4020148*	MS	*02-Feb-24*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020518 - 1:4 DI Water										
Blank (4020518-BLK1)				Prepared & Analyzed: 05-Feb-24						
Chloride	ND	16.0	mg/kg							
LCS (4020518-BS1)				Prepared & Analyzed: 05-Feb-24						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4020518-BSD1)				Prepared & Analyzed: 05-Feb-24						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 4020526 - 1:4 DI Water										
Blank (4020526-BLK1)				Prepared & Analyzed: 05-Feb-24						
Chloride	ND	16.0	mg/kg							
LCS (4020526-BS1)				Prepared & Analyzed: 05-Feb-24						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4020526-BSD1)				Prepared & Analyzed: 05-Feb-24						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020207 - Volatiles										
Blank (4020207-BLK1)				Prepared & Analyzed: 02-Feb-24						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0516*		mg/kg	*0.0500*		*103*	*71.5-134*			
LCS (4020207-BS1)				Prepared & Analyzed: 02-Feb-24						
Benzene	2.21	0.050	mg/kg	2.00		110	82.8-130			
Toluene	2.21	0.050	mg/kg	2.00		111	86-128			
Ethylbenzene	2.21	0.050	mg/kg	2.00		110	85.9-128			
m,p-Xylene	4.46	0.100	mg/kg	4.00		112	89-129			
o-Xylene	2.19	0.050	mg/kg	2.00		109	86.1-125			
Total Xylenes	6.65	0.150	mg/kg	6.00		111	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0516*		mg/kg	*0.0500*		*103*	*71.5-134*			
LCS Dup (4020207-BSD1)				Prepared & Analyzed: 02-Feb-24						
Benzene	1.98	0.050	mg/kg	2.00		98.8	82.8-130	11.1	15.8	
Toluene	1.98	0.050	mg/kg	2.00		99.0	86-128	11.1	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.4	85.9-128	11.5	16	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89-129	9.94	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.4	86.1-125	11.4	16.7	
Total Xylenes	5.99	0.150	mg/kg	6.00		99.8	88.2-128	10.4	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0513*		mg/kg	*0.0500*		*103*	*71.5-134*			
Batch 4020209 - Volatiles										
Blank (4020209-BLK1)				Prepared & Analyzed: 02-Feb-24						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020209 - Volatiles										
Blank (4020209-BLK1)				Prepared & Analyzed: 02-Feb-24						
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0511*		mg/kg	*0.0500*		*102*	*71.5-134*			
LCS (4020209-BS1)				Prepared & Analyzed: 02-Feb-24						
Benzene	2.19	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.15	0.050	mg/kg	2.00		108	86-128			
Ethylbenzene	2.27	0.050	mg/kg	2.00		113	85.9-128			
m,p-Xylene	4.44	0.100	mg/kg	4.00		111	89-129			
o-Xylene	2.24	0.050	mg/kg	2.00		112	86.1-125			
Total Xylenes	6.68	0.150	mg/kg	6.00		111	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0531*		mg/kg	*0.0500*		*106*	*71.5-134*			
LCS Dup (4020209-BSD1)				Prepared & Analyzed: 02-Feb-24						
Benzene	2.10	0.050	mg/kg	2.00		105	82.8-130	4.08	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	86-128	4.97	15.9	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	85.9-128	5.71	16	
m,p-Xylene	4.20	0.100	mg/kg	4.00		105	89-129	5.64	16.2	
o-Xylene	2.11	0.050	mg/kg	2.00		105	86.1-125	5.98	16.7	
Total Xylenes	6.31	0.150	mg/kg	6.00		105	88.2-128	5.75	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0513*		mg/kg	*0.0500*		*103*	*71.5-134*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020147 - General Prep - Organics										
Blank (4020147-BLK1)				Prepared: 01-Feb-24 Analyzed: 02-Feb-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*49.8*		mg/kg	*50.0*		*99.7*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.6*		mg/kg	*50.0*		*97.1*	*49.1-148*			
LCS (4020147-BS1)				Prepared: 01-Feb-24 Analyzed: 02-Feb-24						
GRO C6-C10	219	10.0	mg/kg	200		110	66.4-123			
DRO >C10-C28	230	10.0	mg/kg	200		115	66.5-118			
Total TPH C6-C28	449	10.0	mg/kg	400		112	77.6-123			
Surrogate: 1-Chlorooctane	*50.7*		mg/kg	*50.0*		*101*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.9*		mg/kg	*50.0*		*97.8*	*49.1-148*			
LCS Dup (4020147-BSD1)				Prepared: 01-Feb-24 Analyzed: 02-Feb-24						
GRO C6-C10	212	10.0	mg/kg	200		106	66.4-123	3.59	17.7	
DRO >C10-C28	220	10.0	mg/kg	200		110	66.5-118	4.60	21	
Total TPH C6-C28	431	10.0	mg/kg	400		108	77.6-123	4.11	18.5	
Surrogate: 1-Chlorooctane	*50.6*		mg/kg	*50.0*		*101*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.9*		mg/kg	*50.0*		*97.8*	*49.1-148*			
Batch 4020148 - General Prep - Organics										
Blank (4020148-BLK1)				Prepared: 01-Feb-24 Analyzed: 02-Feb-24						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*42.9*		mg/kg	*50.0*		*85.9*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*48.5*		mg/kg	*50.0*		*97.1*	*49.1-148*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:	Reported: 13-Feb-24 15:48

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020148 - General Prep - Organics										
LCS (4020148-BS1)				Prepared: 01-Feb-24 Analyzed: 02-Feb-24						
GRO C6-C10	185	10.0	mg/kg	200		92.6	66.4-123			
DRO >C10-C28	182	10.0	mg/kg	200		91.0	66.5-118			
Total TPH C6-C28	367	10.0	mg/kg	400		91.8	77.6-123			
Surrogate: 1-Chlorooctane	*43.6*		mg/kg	*50.0*		*87.3*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*49.6*		mg/kg	*50.0*		*99.3*	*49.1-148*			
LCS Dup (4020148-BSD1)				Prepared: 01-Feb-24 Analyzed: 02-Feb-24						
GRO C6-C10	178	10.0	mg/kg	200		89.2	66.4-123	3.75	17.7	
DRO >C10-C28	194	10.0	mg/kg	200		97.0	66.5-118	6.41	21	
Total TPH C6-C28	372	10.0	mg/kg	400		93.1	77.6-123	1.41	18.5	
Surrogate: 1-Chlorooctane	*44.8*		mg/kg	*50.0*		*89.5*	*48.2-134*			
Surrogate: 1-Chlorooctadecane	*46.6*		mg/kg	*50.0*		*93.3*	*49.1-148*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company**	Etech
City:	Hobbs	**Attn:**	Robbie Runnels
State:	NM	**Address:**	
Zip:	88240	**City:**	
Phone #:	(575) 264-9884	**State:**	**Zip:**
Fax #:		**Phone #:**	
Project #:	19397	**Fax #:**	
Project Owner:	Permian Resources		
Project Name:	Airstream 603-605		
Project Location:	GPS: (32.38642, -103.42057)		
Sampler Name:	Aaron Rios		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	
H240494																		
1	DEF-1 @ 6"	G	1			X					X		1/31/24		X	X	X	
2	DEF-2 @ 6"	G	1			X					X		1/31/24		X	X	X	
3	DEF-3 @ 6"	G	1			X					X		1/31/24		X	X	X	
4	DEF-4 @ 6"	G	1			X					X		1/31/24		X	X	X	
5	DEF-5 @ 6"	G	1			X					X		1/31/24		X	X	X	
6	DEF-6 @ 6"	G	1			X					X		1/31/24		X	X	X	
7	DEF-7 @ 6"	G	1			X					X		1/31/24		X	X	X	
8	DEF-8 @ 6"	G	1			X					X		1/31/24		X	X	X	
9	DEF-1 @ 6'-R	G	1			X					X		1/31/24		X	X	X	
10	DEF-2 @ 2'	G	1			X					X		1/31/24		X	X	X	

Relinquished By:	**Date:** 2/1/24	**Received By:**	
	Time: 14:53		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: -8.5° #140

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☑ Yes ☐ No	☑ Yes ☐ No	

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company**	Etech
City:	Hobbs	**Attn:**	Robbie Runnels
State:	NM	**Address:**	
Zip:	88240	**City:**	
Phone #:	(575) 264-9884	**State:**	**Zip:**
Fax #:		**Phone #:**	
Project #:	19397	**Fax #:**	
Project Owner:	Permian Resources		
Project Name:	Airstream 603-605		
Project Location:	GPS: (32.38642, -103.42057)		
Sampler Name:	Aaron Rios		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H240494																	
11	DEF-3 @ 3'-R	G	1			X					X		1/31/24		X	X	X
12	DEF-4 @ 4'-R	G	1			X					X		1/31/24		X	X	X
13	DEF-5 @ 8'-R	G	1			X					X		1/31/24		X	X	X
14	DEF-6 @ 5'-R	G	1			X					X		1/31/24		X	X	X
15	DEF-7 @ 1.5'	G	1			X					X		1/31/24		X	X	X
16	DEF-8 @ 1'	G	1			X					X		1/31/24		X	X	X
17	SP-1 @ 2'-R	G	1			X					X		1/31/24		X	X	X
18	SP-2 @ 3'-R	G	1			X					X		1/31/24		X	X	X
19	SP-3 @ 2'-R	G	1			X					X		1/31/24		X	X	X
20	SP-4 @ 10'-R	G	1			X					X		1/31/24		X	X	X

Relinquished By:	**Date:** 1/31/24	**Received By:**	
	Time: 14:53		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 8.5°C #140

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☐ Yes ☐ No	☐ Yes ☐ No	

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

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Revision 1.0

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CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company**	Etech
City:	Hobbs	**Attn:**	Robbie Runnels
State:	NM	**Address:**	
Zip:	88240	**City:**	
Phone #:	(575) 264-9884	**State:**	**Zip:**
Fax #:		**Phone #:**	
Project #:	19397	**Fax #:**	
Project Owner:	Permian Resources		
Project Name:	Airstream 603-605		
Project Location:	GPS: (32.38642, -103.42057)		
Sampler Name:	Aaron Rios		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H240494																	
21	WH-1 @ Surf	G	1			X					X		1/31/24		X	X	X
22	WH-2 @ Surf	G	1			X					X		1/31/24		X	X	X
23	NH-1 @ Surf	G	1			X					X		1/31/24		X	X	X
24	NH-2 @ Surf	G	1			X					X		1/31/24		X	X	X
25	SH-1 @ Surf	G	1			X					X		1/31/24		X	X	X
26	SH-2 @ Surf	G	1			X					X		1/31/24		X	X	X
27	SH-2 @ 1'	G	1			X					X		1/31/24		X	X	X
28	EH-1 @ Surf	G	1			X					X		1/31/24		X	X	X
* 29	EH-1 @ 1'	G	1			X					X		1/31/24		X	X	X
** 30	EH-2 @ Surf	G	1			X					X		1/31/24		X	X	X

Relinquished By:	**Date:** 2/1/24	**Received By:**	
	Time: 14:55		
Relinquished By:	**Date:**	**Received By:**	
	Time:		
Delivered By: (Circle One)		**Sample Condition**	**CHECKED BY: (Initials)**
Sampler - UPS - Bus - Other:	-8.8°C #140	Cool: ☑ Yes ☐ No — Intact: ☑ Yes ☐ No	

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

*Customer requested Sample Id changes. 2/7/24
Please email copy of COC and results to pm@etechenv.com.
**Customer requested Sample ID changes. 2/8/24

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Revision 1.0

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 19, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 03/14/24 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: SP 1 @ 3' (H241337-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.28	114	2.00	0.634	
Toluene*	<0.050	0.050	03/15/2024	ND	2.23	112	2.00	0.509	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.21	110	2.00	0.796	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.44	107	6.00	0.916	
Total BTEX	<0.300	0.300	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/18/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2024	ND	201	100	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/16/2024	ND	208	104	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	03/16/2024	ND					

Surrogate: 1-Chlorooctane *79.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: DEF 1 @ 12' (H241337-02)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**2.22**	0.500	03/15/2024	ND	2.28	114	2.00	0.634	
Toluene*	**46.5**	0.500	03/15/2024	ND	2.23	112	2.00	0.509	
Ethylbenzene*	**38.3**	0.500	03/15/2024	ND	2.21	110	2.00	0.796	
Total Xylenes*	**119**	1.50	03/15/2024	ND	6.44	107	6.00	0.916	
Total BTEX	**206**	3.00	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *148 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/18/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: ms S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**2540**	50.0	03/16/2024	ND	231	115	200	8.20	QM-07
DRO >C10-C28*	**7230**	50.0	03/16/2024	ND	206	103	200	6.67	QM-07
EXT DRO >C28-C36	**858**	50.0	03/16/2024	ND					

Surrogate: 1-Chlorooctane *240 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *155 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: DEF 3 @ 12' (H241337-03)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**3.17**	0.500	03/15/2024	ND	2.28	114	2.00	0.634	
Toluene*	**50.5**	0.500	03/15/2024	ND	2.23	112	2.00	0.509	
Ethylbenzene*	**36.0**	0.500	03/15/2024	ND	2.21	110	2.00	0.796	
Total Xylenes*	**110**	1.50	03/15/2024	ND	6.44	107	6.00	0.916	
Total BTEX	**200**	3.00	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *143 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/18/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: ms S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**2590**	50.0	03/16/2024	ND	231	115	200	8.20	
DRO >C10-C28*	**7160**	50.0	03/16/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	**914**	50.0	03/16/2024	ND					

Surrogate: 1-Chlorooctane *237 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *154 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: DEF 4 @ 5' (H241337-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.18	109	2.00	2.49	
Toluene*	**0.152**	0.050	03/15/2024	ND	2.16	108	2.00	2.93	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.08	104	2.00	3.31	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.23	104	6.00	3.27	
Total BTEX	<0.300	0.300	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	03/18/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2024	ND	231	115	200	8.20	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					

Surrogate: 1-Chlorooctane *79.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: DEF 5 @ 9' (H241337-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.18	109	2.00	2.49	
Toluene*	<0.050	0.050	03/15/2024	ND	2.16	108	2.00	2.93	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.08	104	2.00	3.31	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.23	104	6.00	3.27	
Total BTEX	<0.300	0.300	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/18/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2024	ND	231	115	200	8.20	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					

Surrogate: 1-Chlorooctane *86.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

Sample ID: DEF 8 @ 2' (H241337-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.18	109	2.00	2.49	
Toluene*	<0.050	0.050	03/15/2024	ND	2.16	108	2.00	2.93	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.08	104	2.00	3.31	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.23	104	6.00	3.27	
Total BTEX	<0.300	0.300	03/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/18/2024	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2024	ND	231	115	200	8.20	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					

Surrogate: 1-Chlorooctane *74.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	2617 West Marland	**Company**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	19397 **Project Owner:** Permian Resources	**City:**	
Project Name:	Airstream 603-605	**State:** **Zip:**	
Project Location:	GPS: (32.38642, -103.42057)	**Phone #:**	
Sampler Name:	Martin Sepulveda	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE	COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H241337 1	SP 1 @ 3'	G	1			X					X			3/13/24		X	X	X
2	DEF 1 @ 12'	G	1			X					X			3/13/24		X	X	X
3	DEF 3 @ 12'	G	1			X					X			3/13/24		X	X	X
4	DEF 4 @ 5'	G	1			X					X			3/13/24		X	X	X
5	DEF 5 @ 9'	G	1			X					X			3/13/24		X	X	X
6	DEF 8 @ 2'	G	1			X					X			3/13/24		X	X	X

Relinquished By:	**Date:** 3-14-24	**Received By:**	
	Time: 15:05		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One) -4.6 #140
Sampler - UPS - Bus - Other:

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☑ Yes ☐ No	☑ Yes ☐ No	

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 22, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 07/17/24 8:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	07/17/2024	Sampling Date:	07/16/2024
Reported:	07/22/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES (32.38642,-103.4		

Sample ID: BH @ 20' (H244258-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	0.282	
Toluene*	<0.050	0.050	07/17/2024	ND	1.98	98.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	1.98	99.1	2.00	0.923	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.82	97.0	6.00	1.21	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/17/2024	ND	480	120	400	6.90	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.3	200	0.589	
DRO >C10-C28*	**95.1**	10.0	07/17/2024	ND	193	96.5	200	0.820	
EXT DRO >C28-C36	**23.0**	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *115 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *132 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	07/17/2024	Sampling Date:	07/16/2024
Reported:	07/22/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES (32.38642,-103.4		

Sample ID: BH @ 24' (H244258-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	0.282	
Toluene*	<0.050	0.050	07/17/2024	ND	1.98	98.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	1.98	99.1	2.00	0.923	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.82	97.0	6.00	1.21	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2024	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.3	200	0.589	
DRO >C10-C28*	**61.0**	10.0	07/17/2024	ND	193	96.5	200	0.820	
EXT DRO >C28-C36	**12.9**	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *115 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *134 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	07/17/2024	Sampling Date:	07/16/2024
Reported:	07/22/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES (32.38642,-103.4		

Sample ID: BH @ 28' (H244258-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	0.282	
Toluene*	<0.050	0.050	07/17/2024	ND	1.98	98.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	1.98	99.1	2.00	0.923	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.82	97.0	6.00	1.21	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: CT

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2024	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.3	200	0.589	
DRO >C10-C28*	**64.8**	10.0	07/17/2024	ND	193	96.5	200	0.820	
EXT DRO >C28-C36	**13.6**	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *126 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	2617 West Marland	**Company**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	19397 **Project Owner:** Permian Resources	**City:**	
Project Name:	Airstream 603-605	**State:** **Zip:**	
Project Location:	32.38642, -103.42057	**Phone #:**	
Sampler Name:	Robbie Runnels	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	
H244258											✓							
1	BH @ 20'	G	1			X					X		7/16/24		X	X	X	
2	BH @ 24'	G	1			X					X		7/16/24		X	X	X	
3	BH @ 28'	G	1			X					X		7/16/24		X	X	X	

Relinquished By:	**Date:** 7-17-24	**Received By:**	
	Time: 0825		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other: #140 -1.0°c

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☑ Yes ☐ No	☑ Yes ☐ No	

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
REMARKS:

Please email copy of COC and results to pm@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 09, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/03/25 8:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 4 @ 20' (H250011-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 5 @ 15' (H250011-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 6 @ 15' (H250011-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 7 @ 4' (H250011-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 8 @ 5' (H250011-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 8 @ 0-4' (H250011-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 9 @ 4-8' (H250011-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 10 @ 8-12' (H250011-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *116 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 11 @ 12-16' (H250011-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 12 @ 16-20' (H250011-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 13 (H250011-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *79.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: EW 1 @ 0-4' (H250011-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: EW 2 @ 4-8' (H250011-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: WW 1 (H250011-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.4 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: WW 2 (H250011-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *85.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: WW 3 (H250011-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					

Surrogate: 1-Chlorooctane *81.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	19397 **Project Owner:** Permian Resources	**City:**	
Project Name:	Airstream 603-605	**State:** **Zip:**	
Project Location:	32.38642, -103.42057	**Phone #:**	
Sampler Name:	Addison Elston	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H250011																	
1	FL 4 @ 20'	C	1			X					X		1/2/25		X	X	X
2	FL 5 @ 15'	C	1			X					X		1/2/25		X	X	X
3	FL 6 @ 15'	C	1			X					X		1/2/25		X	X	X
4	FL 7 @ 4'	C	1			X					X		1/2/25		X	X	X
5	FL 8 @ 5'	C	1			X					X		1/2/25		X	X	X
6	NW 8 @ 0-4'	C	1			X					X		1/2/25		X	X	X
7	NW 9 @ 4-8'	C	1			X					X		1/2/25		X	X	X
8	NW 10 @ 8-12'	C	1			X					X		1/2/25		X	X	X
9	NW 11 @ 12-16'	C	1			X					X		1/2/25		X	X	X
10	NW 12 @ 16-20'	C	1			X					X		1/2/25		X	X	X

Relinquished By:	**Date:** 1-3-25	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 842		**All Results are emailed. Please provide Email address:** pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** -0.8 **Corrected Temp. °C** -0.4	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** ATD	**Turnaround Time:** Standard ☒ Rush ☐ **Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	19397 **Project Owner:** Permian Resources	**City:**	
Project Name:	Airstream 603-605	**State:** **Zip:**	
Project Location:	32.38642, -103.42057	**Phone #:**	
Sampler Name:	Addison Elston	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H850044																	
11	NW 13	C	1			X					X		1/2/25		X	X	X
12	EW 1 @ 0-4'	C	1			X					X		1/2/25		X	X	X
13	EW 2 @ 4-8'	C	1			X					X		1/2/25		X	X	X
14	WW 1	C	1			X					X		1/2/25		X	X	X
15	WW 2	C	1			X					X		1/2/25		X	X	X
16	WW 3	C	1			X					X		1/2/25		X	X	X

Relinquished By:	**Date:** 1.3.25	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 842		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	REMARKS:
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** -9.8 **Corrected Temp. °C** -10.4	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** AP	**Turnaround Time:** Standard ☒ Rush ☐ **Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 06, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/03/25 14:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 1 @ 8' (H250020-01)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *126 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	**12.1**	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *98.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 2 @ 21' (H250020-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *127 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *81.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: FL 3 @ 21' (H250020-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *125 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 1 @ 0-4' (H250020-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *129 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.2 %* *49.1-148*

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 2 @ 0-4' (H250020-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *132 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 3 @ 4'-8' (H250020-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *130 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 4 @ 4'-8' (H250020-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *127 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *89.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 5 @ 8-12' (H250020-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *132 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *93.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 6 @ 12-16' (H250020-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *131 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: NW 7 @ 16-20' (H250020-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *129 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					

Surrogate: 1-Chlorooctane *98.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Etech
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Joel Lowry
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	19397 **Project Owner:** Permian Resources	**City:**	
Project Name:	Airstream 603-605	**State:** **Zip:**	
Project Location:	32.38642, -103.42057	**Phone #:**	
Sampler Name:	Addison Elston	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL ✓	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)									
H250020																									
1	FL 1 @ 8'	C	1			X					X		1/2/25		X	X	X								
2	FL 2 @ 21'	C	1			X					X		1/2/25		X	X	X								
3	FL 3 @ 21'	C	1			X					X		1/2/25		X	X	X								
4	NW 1 @ 0-4'	C	1			X					X		1/2/25		X	X	X								
5	NW 2 @ 0-4'	C	1			X					X		1/2/25		X	X	X								
6	NW 3 @ 4-8'	C	1			X					X		1/2/25		X	X	X								
7	NW 4 @ 4-8'	C	1			X					X		1/2/25		X	X	X								
8	NW 5 @ 8-12'	C	1			X					X		1/2/25		X	X	X								
9	NW 6 @ 12-16'	C	1			X					X		1/2/25		X	X	X								
10	NW 7 @ 16-20'	C	1			X					X		1/2/25		X	X	X								

Relinquished By:	**Date:** 1.3.25	**Received By:**	
	Time: 1451		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: pm@etechenv.com

REMARKS:

24 HOUR RUSH

Turnaround Time: Standard ☐ Rush ☒

Thermometer ID #140
Correction Factor -0.6°C

Delivered By: (Circle One)	**Observed Temp. °C** 0.5	**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -1.1		

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No; Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.5 08/05/24

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 13, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/07/25 14:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 1 - DEF @ 0-4' (H250059-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**7.53**	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	QM-07
Ethylbenzene*	**9.75**	0.500	01/08/2025	ND	2.01	100	2.00	14.1	QM-07
Total Xylenes*	**38.5**	1.50	01/08/2025	ND	6.07	101	6.00	13.8	QM-07
Total BTEX	**55.8**	3.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**831**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**3770**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**651**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *179 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 1 - DEF @ 4'-8' (H250059-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**2.57**	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**3.66**	0.500	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**15.1**	1.50	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**21.3**	3.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**369**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**3570**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**643**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *153 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 1 - DEF @ 8'- 12' (H250059-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**3.53**	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**4.27**	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**16.8**	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**24.6**	6.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**354**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**3500**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**632**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *142 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 1 - DEF @ 12'-16' (H250059-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**7.88**	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**6.73**	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**23.9**	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**28.5**	6.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**471**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**3260**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**583**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *148 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 1 - DEF @ 16'-20' (H250059-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**22.0**	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**18.9**	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**68.4**	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**109**	6.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**1190**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**4390**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**742**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *197 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 2 - DEF @ 0-4' (H250059-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**0.060**	0.050	01/08/2025	ND	1.81	90.4	2.00	10.1	GC-NC1
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	<0.300	0.300	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**183**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**79.0**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *96.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 2 - DEF @ 4'-8' (H250059-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**1.42**	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**1.24**	0.500	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**4.68**	1.50	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**7.35**	3.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**608**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**216**	50.0	01/09/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**14400**	50.0	01/09/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**3260**	50.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane *145 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *292 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 2 - DEF @ 8'-12' (H250059-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**0.171**	0.050	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**0.091**	0.050	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**0.456**	0.150	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**0.718**	0.300	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**35.0**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**3190**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**722**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 2 - DEF @ 12'-16' (H250059-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**2.23**	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**2.61**	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**10.6**	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**15.4**	6.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**311**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**3770**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**658**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *147 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 2 - DEF @ 16'-20' (H250059-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**3.78**	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**4.98**	0.500	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**19.8**	1.50	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**28.6**	3.00	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	01/08/2025	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**783**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**6310**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**1180**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *194 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *132 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 3 - DEF @ 0-4' (H250059-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	<0.050	0.050	01/09/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.07	101	6.00	13.8	
Total BTEX	<0.300	0.300	01/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: KV

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	01/08/2025	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**10.4**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**2770**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**761**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *97.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Etech Environmental & Safety Solutions
JOEL LOWRY
2617 W MARLAND
HOBBS NM, 88240
Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

Sample ID: SW 3 - DEF @ 4'-8' (H250059-12)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	**0.132**	0.050	01/09/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	**0.160**	0.050	01/09/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	**0.648**	0.150	01/09/2025	ND	6.07	101	6.00	13.8	
Total BTEX	**0.941**	0.300	01/09/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: KV**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1500**	16.0	01/08/2025	ND	432	108	400	3.64	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**29.6**	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	**6520**	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	**1510**	10.0	01/08/2025	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *139 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/2

Company Name:	Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager:	Joel Lowry	P.O. #:	
Address:	P.O. Box 301	Company:	Permian Resources
City:	Lovington	State: NM Zip: 88260	Attn:
Phone #:	(575) 396-2378	Fax #: (575) 396-1429	Address:
Project #:	19347	Project Owner: Permian Resources	City:
Project Name:	Airstream 603-605		State: Zip:
Project Location:	32.38642, -103.42057 (Lea Co., NM)		Phone #:
Sampler Name:	Miguel Rincon		Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	Chloride	TPH (8015M)	BTEX (8021B)
H250059													*SR 1-7-25 1-2-25				
1	SW1 - DEF @ 0-4'	C	1			X							1/7/25	9:00	X	X	X
2	SW1 - DEF @ 4'-8'	C	1			X							1/7/25	9:30	X	X	X
3	SW1 - DEF @ 8'-12'	C	1			X							1/7/25	10:00	X	X	X
4	SW1 - DEF @ 12'-16'	C	1			X							1/7/25	10:15	X	X	X
5	SW1 - DEF @ 16'-20'	C	1			X							1/7/25	10:30	X	X	X
6	SW2 - DEF @ 0-4'	C	1			X							1/7/25	10:45	X	X	X
7	SW2 - DEF @ 4'-8'	C	1			X							1/7/25	11:00	X	X	X
8	SW2 - DEF @ 8'-12'	C	1			X							1/7/25	11:15	X	X	X
9	SW2 - DEF @ 12'-16'	C	1			X							1/7/25	11:30	X	X	X
10	SW2 - DEF @ 16'-20'	C	1			X							1/7/25	11:45	X	X	X

Relinquished By:	Date: 1-7-25	Received By:	
	Time: 1441		
Relinquished By:	Date:	Received By:	
	Time:		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: Standard

Please email results to pm@etechenv.com.

*sample date correction per customer sRodriguez 1-7-25

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.1°C / Cool / #140

Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials) AA

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

Company Name:	Etech Environmental & Safety Solutions, Inc.
Project Manager:	Joel Lowry
Address:	P.O. Box 301
City:	Lovington State: NM Zip: 88260
Phone #:	(575) 396-2378 Fax #: (575) 396-1429
Project #:	14397 Project Owner: Permian Resources
Project Name:	Airstream 603-605
Project Location:	32.38642, -103.42057
Sampler Name:	Miguel Ramirez

BILL TO

P.O. #:	
Company:	Permian Resources
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	Chloride	TPH (8015M)	BTEX (8021B)
H250059													1-2-25				
11	SW3-DEF @ 0'-4'	C	1			X					X		1/7/25	12:00	X	X	X
12	SW3-DEF @ 4'-8'	C	1			X					X		1/7/25	12:15	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 1-7-25	Received By:	
	Time: 1441		
Relinquished By:	Date:	Received By:	
	Time:		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:
Standard
Please email results to pm@etechenv.com.
sample date correction per customer. SR 1-7-25

Delivered By: (Circle One) 4.7°C / C-0-C #140
Sampler - UPS - Bus - Other: 4.1°C

Sample Condition: Cool ☑ Yes ☐ No Intact ☐ Yes ☐ No
CHECKED BY: (Initials) KD

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Appendix E
NMOCD Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2320839776
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Permian Resources	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-425-8321
Contact email: montgomery.floyd@permianres.com	Incident # nAPP2320839776
Contact mailing address: 300 N. Marienfeld Suite 10000, Midland, Tx. 79701	

Location of Release Source

Latitude 32.38641 Longitude -103.42056
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Airstream CTB 2	Site Type: Production Facility
Date Release Discovered: 7/17/2023	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	13	22S	34E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* [redacted])

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) 78	Volume Recovered (bbls) 70
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Corrosion led to release of fluid from production piping. The site will be remediated to state standards. Volumes were justified using the attached soil impact calculation tool.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP232089776
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The release exceeded 25 barrels volume.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice was given by Montgomery Floyd via email to ocdenviro, Mike Bratcher, and SLO ECO.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Montgomery Floyd Title: Environmental Manager

Signature: _____ Date: 7-27-23

email: montgomery.floyd@permianres.com Telephone: 432-425-8321

OCD Only

Received by: Shelly Wells Date: 7/28/2023

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2329127081
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Permian Resources	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-425-8321
Contact email: montgomery.floyd@permianres.com	Incident #
Contact mailing address: 300 N. Marienfeld Suite 10000, Midland, Tx. 79701	

Location of Release Source

Latitude 32.386402 Longitude -103.420455

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Airstream CTB 2	Site Type: Production Facility
Date Release Discovered: 10/16/2023	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	13	22S	34E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:*_____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) 21	Volume Recovered (bbls) 18
☒ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 4
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Site glass on separator failed resulting in the release of hydrocarbons & produced water to soil. The site will be remediated to state standards. Volumes were justified using the attached soil impact calculation tool.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2329127081
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The release exceeded 25 barrels volume.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Email notification was provided to OCDenviro & Mike Bratcher, by Montgomery Floyd of PR on 10/16/2023.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Montgomery Floyd Title: Environmental Manager

Signature: _____ Date: 10-18-23

email: montgomery.floyd@permianres.com Telephone: 432-425-8321

OCD Only

Received by: Shelly Wells Date: 10/18/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2329127081
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

`the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation lan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan nd methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2329127081
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2329127081
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2329127081
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

NAPP2329127081

Area #1

	Length	Width	Depth Feet & Inches		Calc Volume - BBLS
Dimensions	48	5	0	6	21.37
				TOTAL	21.37

	Length	Width	Depth Feet & Inches		Calc Volume - BBLS
Dimensions	48	5	0	6	=C15*D15*(E15+(F15/12))*0.1781

Area #2

	Length	Width	Depth Feet & Inches		Calc Volume - BBLS
Dimensions	40	3	0	3	5.34
				TOTAL	5.34

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 276804
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	10/18/2023

OCD Permitting

[C-141] Deferral Request C-141 (C-141-V-DEFERRAL) Application

Submission Information

Submission ID:	383840	**Districts:**	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	**Counties:**	Lea
Description:	Permian Resources Operating, LLC [372165] , AIRSTREAM CTB 2 , nAPP2320839776		
Status:	APPROVED		
Status Date:	09/27/2024		
References (1):	nAPP2320839776		

Forms

Attachments: Volume Calculation, Water Sources, Scaled Site Map, Field Data, Soil Contaminant, Water Depth, Boring Logs, Photographs, Topo Aerial Maps, Lab Data, Proposed Technique, Estimated Volume, Closure Criteria, Proposed Schedule

Questions

Prerequisites

Incident ID (n#)	**nAPP2320839776**
Incident Name	**NAPP2320839776 AIRSTREAM CTB 2 @ 0**
Incident Type	**Oil Release**
Incident Status	**Deferral Request Received**

Location of Release Source

Please answer all the questions in this group.

Site Name	AIRSTREAM CTB 2
Date Release Discovered	07/17/2023
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure | Separator | Crude Oil | Released: 78 BBL | Recovered: 70 BBL | Lost: 8 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there **additional details** for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follo
If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or f notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability shc have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report do operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 09/16/2024

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)

A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes

Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.

Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	1280
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	43200
GRO+DRO	(EPA SW-846 Method 8015M)	37000
BTEX	(EPA SW-846 Method 8021B or 8260B)	632
Benzene	(EPA SW-846 Method 8021B or 8260B)	17.1

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipa beginning and completing the remediation.

On what estimated date will the remediation commence	01/09/2024
On what date will (or did) the final sampling or liner inspection occur	12/01/2024
On what date will (or was) the remediation complete(d)	12/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	13000
What is the estimated volume (in cubic yards) that will be reclaimed	1925
What is the estimated surface area (in square feet) that will be remediated	13000
What is the estimated volume (in cubic yards) that will be remediated	1615

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the ren then it should consult with the division to determine if another remediation plan submission is required.

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	NDBL RECYCLE. CLOSED [fSL2019032229]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*

operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 09/16/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the ren then it should consult with the division to determine if another remediation plan submission is required.

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	To access remaining in-situ contamination PR would need to deconstruct the entire process equipment and stc
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	5650
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1490

Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facili remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.

Enter the facility ID (f#) on which this deferral should be granted	Airstream 13 CTB 2 [fAPP2220760755]
Enter the well API (30-) on which this deferral should be granted	*Not answered.*
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipa beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or f notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability shc have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report do operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 09/16/2024

Sampling Event Information

Last sampling notification (C-141N) recorded	**382291**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**09/12/2024**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**200**

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No

Comments

No comments found for this submission.

Conditions

Summary: *nvelez (9/27/2024),* The remediation plan submitted within this report has been approved as written. The document was inadvertently submitted as a deferral report. Due to this discrepancy, the document has formally been approved as a site characterization/remediation plan and will be reflected as such within the incident page. Permian has 90-days (December 26, 2024) to submit its appropriate or final remediation closure report.

Reasons

No reasons found for this submission.

Go Back

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 422276

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 422276
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2320839776**
Incident Name	**NAPP2320839776 AIRSTREAM CTB 2 @ 0**
Incident Type	**Oil Release**
Incident Status	**Deferral Request Approved**
Incident Facility	**[fAPP2220760755] Airstream 13 CTB 2**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	AIRSTREAM CTB 2
Date Release Discovered	07/17/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Separator | Crude Oil | Released: 78 BBL | Recovered: 70 BBL | Lost: 8 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

Sante Fe Main Office
Phone: (505) 476-3441

General Information
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator:	OGRID:
Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	372165
	Action Number: 422276
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 09/16/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 422276
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	1500
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	43200
GRO+DRO	(EPA SW-846 Method 8015M)	37000
BTEX	(EPA SW-846 Method 8021B or 8260B)	632
Benzene	(EPA SW-846 Method 8021B or 8260B)	17.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		01/09/2024
On what date will (or did) the final sampling or liner inspection occur		01/02/2025
On what date will (or was) the remediation complete(d)		01/02/2025
What is the estimated surface area (in square feet) that will be reclaimed		13000
What is the estimated volume (in cubic yards) that will be reclaimed		1925
What is the estimated surface area (in square feet) that will be remediated		13000
What is the estimated volume (in cubic yards) that will be remediated		1820
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 422276
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 01/20/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 422276
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	To access remaining in-situ contamination PR would need to deconstruct the entire process equipment and storage tank areas.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	7880
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1260
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Airstream 13 CTB 2 [fAPP2220760755]
Enter the well API (30-) on which this deferral should be granted	*Not answered.*
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 01/20/2025

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QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 422276
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**415882**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/06/2025**
What was the (estimated) number of samples that were to be gathered	**80**
What was the sampling surface area in square feet	**11000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 422276
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	5/1/2025